

# 2019 新产品

## NISE 50-J1900

英特尔®Atom™ J1900 处理器

双核心无风扇系统

板载英特尔®Atom™ J1900 处理器

2 x 英特尔®I210AT 千兆网口 & 4 x USB 2.0

1 x mini-PCIe

2 X RS232 & 1 x RS422/485 自动流量控制



## NIFE 105

小型的工业自动化控制器

板载英特尔®凌动™TX5-E3930 双核 1.3GHz

2 x 英特尔®I210IT 千兆网口支持网络唤醒和 PXE 功能

4 x USB 3.0 & 2 x RS232/422/485 & 1 x HDMI

2 X mini-PCIe 插槽 可选 Wi-Fi/3.5G/4G LTE/MSATA

支持 -5 到 55 工作温度 & 24V 直流输入



## NISE 106-N3160

英特尔®赛扬®处理器 N3160

四核心无风扇系统

板载英特尔®赛扬®处理器 N3160 四核 1.6GHz

3 x 显示输出：1 x HDMI 显示 + 1 x DVI-D + 1 x DP 端口

2 x 英特尔®I210AT 千兆网口 & 4 x USB 3.0

2 x DB9 支持 RS232/422/485, 2 x DB9 支持 RS232

1 x 可选接口支持 Wi-Fi/3.5G/LTE 模块

## NISE 107

英特尔®Atom® x5-E3940 处理器

四核心无风扇系统

英特尔®Atom® x5-E3940 四核处理器 1.8GHz

2 x 显示输出：1 x DVI-D + 1 x DP 端口

2 x 英特尔®I210AT 千兆网口 & 4 x USB 3.0

2 x DB9 支持 RS232/422/485, 2 x DB9 支持 RS232

1 x 可选接口支持 Wi-Fi/3.5G/LTE 模块

## NIFE 103

小型的工业自动化控制器

板载英特尔®凌动™处理器 E3826 双核 1.46GHz

2 x 英特尔®I210IT 千兆网口支持网络唤醒和 PXE 功能

1 x USB 2.0 & 1 x USB 3.0 & 1 x RS232/485 & 1 x 微型 HDMI

2 x mini-PCIe 插槽 可选 Wi-Fi/3.5G/4G LTE/MSATA

支持 -5 到 55 工作温度 & 24V 直流输入





## NIFE 105W

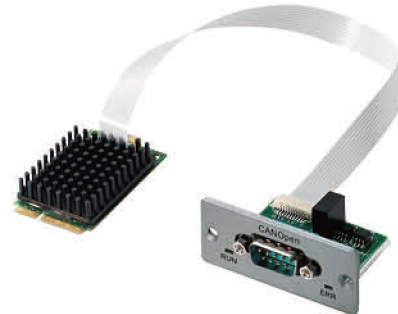
小型型的工业自动化控制器和 FBI 扩展

板载英特尔® 凌动 TMX5-E3930 双核 1.3GHz  
 2 x 英特尔® I210IT 千兆网口支持网络唤醒和 PXE 功能  
 4 x USB 3.0 & 2 x RS232/422/485 & 1 x HDMI  
 2 X mini-PCIe 插槽 可选 Wi-Fi/3.5G/4G LTE/MSATA/  
 现场总线模块  
 支持 -5 到 55 工作温度 & 24V 直流输入

## FBI90E-COM

CANOpen 主站 / 从站，通用 FBI 模块配件

板支持 CANOpen 主站 / 从站协议  
 mini-PCIe 方式扩展 DB9 接口  
 完全兼容 CANOpen I/O 模块和设备  
 驱动支持 Windows, WinCE, RTX, QNX, VXWorks, Linux  
 用户界面的实用配置程序



## NISKLAN03

单千兆网卡模块，英特尔® I210-AT

mini-PCIe 方式实现  
 简单易用的用户配置程序  
 一个 RJ45 以太网接口



## NISKLAN04

双千兆网卡模块，英特尔® I210-AT

mini-PCIe 方式实现  
 简单易用的用户配置程序  
 双 RJ45 以太网接口



## NISKBAT Power Pack

轨道式超大容量电源包 24V 直流输入, 22V 直流输出

支持断电后紧急系统关闭  
 支持 DIN 导轨安装和壁挂式安装  
 支持软件通过 RS232 对连续状态进行监测  
 支持 -5 到 55 工作温度  
 支持 2x24V 直流输入和 1x22V 直流输出

## NISKDIO-8I8O

路 带隔离数字 I/O

通过 mini-PCle 接口实现

mini-PCle 全尺寸封装 (尺寸: 51 × 30mm) 符合 1.2 标准  
支持输入可调节 (10 μs/1ms/3.2ms/10ms)  
快速输出响应时间 (150 μs 以下)  
高电流隔离输出通道 (200mA/ 通道)  
支持工厂自动化系统的 PC 应用 (NIFE/NISE)



## eLite610

10.1 " 宽屏 WXGA HMI 触摸屏平板电脑  
采用英特尔® 凌动™ x5 - E3930

10.1 " WXGA 1024 × 600 LED 背光面板 16.7M 色  
前面板 IP66 防护等级, 电阻式触摸屏  
2 × 千兆网口, 2 × USB3.0 和 1 × RS232/422/485 通信端口  
超薄设计, 安装深度小于 30mm  
系统框架接地保护 (GPE) 设计



## APPC 1740T

17 " TFT SXGA 4:3 可冲洗面板, 采用英特尔® Celeron® J1900 处理 2.42GHz、触摸屏、4GBDDR3L, 3 × USB 接口, 2 × COM, 和现场总线端口

4 : 3 17 寸 SXGA 五风扇平板电脑  
Intel Celeron J1900, 四核, 低功耗 CPU  
可冲洗式 5 线电阻式触摸屏  
双千兆网口 / 拓展显示输出 - VGA// 音频输出口  
安装方式: 平板 / 壁挂 / 立式 / VESA 100mm × 100mm

## NBOX-4500P2

工业级 全密闭 无风扇整机设计

可拓展 2\*PCI & 1 " PCIE ( × 4 ) + 1 " PCI

Haswell 平台, 支持酷睿四代 i3/i5/i7 系列处理器  
4\*Intel i211 LAN 网口  
三独立显示: DVI-I、HDMI、VGA  
2\*DDR3L SO-DIMM 最高可达 16G  
2\*Mini PCIe 槽, Msata/WIFI/4G LTE/3G( 模块可选 )  
4\*USB 2.0 & 2\*USB 3.0, 可选 2\*PCI & 1 " PCIE\*4





## IPPC A1570T/P

15 " TFT XGA 4:3 重工业平板电脑, 采用第四代英特尔®Core™ i 处理器, 单点 / 多点触控屏, 4GB DDR3L, 5 × USB, 2 × COM

电阻式或 5 点 P-cap 触摸屏, 铝合金无边框可冲洗的面板设计, IP65 防护等级

可选 3.5G/Wi-Fi 模块 /2 × 2.5 " HDD/2 × COM/DIO/GPIO/PCI/ 或 PCIe 扩展

宽范围电压输入 12-30V 直流和远程电源开 / 关机

USB 端口支持软件程序和电池供电

支持现场总线模块, JMobile HMI 和 CODESYS 软 PLC( 可选 )

## IPPC A1770T/P

17 " TFT SXGA 4:3 重工业平板电脑, 采用第四代英特尔®Core™ i 处理器, 单点 / 多点触控屏, 4GB DDR3L, 5 × USB, 2 × COM

电阻式或 5 点 P-Cap 触摸屏, 铝合金无边框可冲洗的面板设计, IP65 防护等级

可选 3.5G/Wi-Fi 模块 /2 × 2.5 " HDD/ 2 × COM/ DIO/ GPIO/ PCI 或 PCIe 扩展

宽范围电压输入 12-30V 直流或 100-240V 交流和远程电源开 / 关机

USB 端口支持软件程序和电池供电

支持现场总线模块, JMobile HMI 和 CODESYS 软 PLC( 可选 )



## IPPC A1970T/P

19 " TFT SXGA TFT SXGA4:3 重工业平板电脑, 采用第四代英特尔®Core™ i 处理器, 单点 / 多点触控屏, 4GB DDR3L, 5 × USB, 2 × COM

电阻式或 10 点 P-Cap 触摸屏, 铝合金无边框可冲洗的面板设计, IP65 防护等级

可选 3.5G/Wi-Fi 模块 /2 × 2.5 " HDD/ 2 × COM/ DIO/ GPIO/ PCI 或 PCIe 扩展

宽范围电压输入 12-30V 直流和远程电源开 / 关机

USB 端口支持软件程序和电池供电

支持现场总线模块, JMobile HMI 和 CODESYS 软 PLC( 可选 )



## NET 300-ECM

端口前置式高性能 EtherCAT 控制器

EtherCAT 技术和 NexECM, Class A EtherCAT 主站

EtherCAT 最快通讯周期 250 μs

支持高等级 API 作为 CiA 402 简介

支持第六代 Intel®Core™ i7-6700TE 处理器, 英特尔® Q170 PCH

1 × DVI-D, 和 1 × HDMI 双独立显示输出



## NEIO-B1811/B1812

16 路 数字输入 / 输出 EtherCAT 从站模块

手指安全防护罩

可拆卸的螺丝端子

旋转引脚分配标记和良好的用户布线标签

气动模块 LED 显示

16- 路 数字输入 /16- 路数字输出 NEIO-B1811 ( sink type )

16- 路 数字输入 /16- 路数字输出 NEIO-B1812 ( source type )



## NEIO-B160/B1603

2/4 串口 EtherCAT 从站模块

手指安全防护罩

可拆卸的螺丝端子

旋转引脚分配标记和良好的用户布线标签

启动模块 LED 显示

NEIO-B1601 提供 1 x RS232/422/485, 1x 422/485

NEIO-B1603 提供 1 x RS232/422/485, 3x 422/485



## CPS 100

工业物联网远程网关

现场设备、Web、数据库和云服务的无缝集成

现场总线（从站）支持 PROFIBUS®, PROFINET® 或

EtherNet/IP™ MODBUS TCP/RTU, 支持 OPC UA.

基于流的直观可视化编程范例

安全的 HTTPS/TLS 加密数据传输

## CPS200

### 工业物联网远程网关

现场设备、网络、数据库和云服务的无缝集成  
现场总线 (从站) 支持 PROFIBUS® , PROFINET® 或  
EtherNet/IP™  
MODBUS TCP/RTU, 支持 OPC UA  
基于流的直线可视化编辑范例



## NIO 51

### 工业网 Wi-Fi 串口 / 以太网设备服务器

支持串口, 以太网和双频 Wi-Fi 接口  
Wi-Fi 支持 EZ 网和客户端路由模式  
支持多种协议转换 Modbus TCP/RTU/ASCII  
EMC 等级 -4 防浪涌, ESD 和 EFT  
支持 Web GUI 和 nCare 远程管理



## NIO 200 Series

### SA100/WirelessHART 过程自动化的无线网关

支持混合型网络 Wi-Fi 网和 SA100/WirelessHART 技术  
ISA100 支持分布式拓扑的骨干路由器  
可靠的现场设备与信道跳变和清晰信道评估通信  
系统级 EMC/4 cid2 & ATEX 防爆等级 /IP67/ 宽温  
支持 Web GUI 和 nCare 远程管理

## ICES 673

COMe Type6 , 紧凑型主板核心模块 , 支持第六代英特尔®Core™ 处理器 MCP 产品 , DDR4/5 xPCIe x1/4 x USB3.0/3x SATA3.0 和 GbE

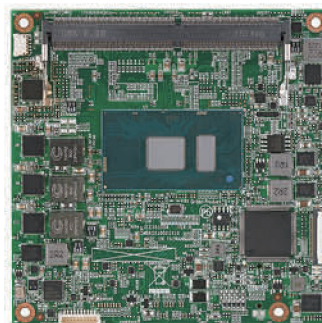
板载 Intel® Core™处理器

双通道 DDR4 非 ECC/SO-DIMMs 2133MHZ 最大 32GB

支持三个独立显示 eDP 和 2x DDI ( 支持 HDMI/DP/DVI)

支持 eMMC5.0 最大 16G

5 x PCIe x1, 4 x USB 3.0, 8x USB2.0, 3 x SATA 3.0 和 GbE

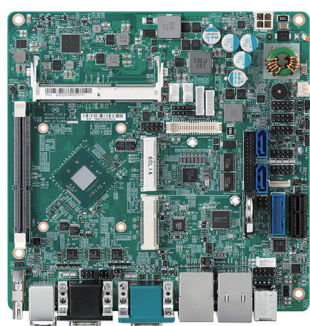


## NEX614

Mini-ITX , 第六代英特尔®Core™ i7/i5/i3 & 赛扬® 产品家族

英特尔® 的 H110 芯片组 支持 LGA151 封装的第六代 英特尔® Core™ i7/i5/i3 和 赛扬® 处理器 ( 代号 Skylake )  
2 x260-pin SO-DIMM DDR4 最大 32GB 三个独立显示 :  
HDMI/DP/VGA/LVDS

PCIe x16, mini-PCIe, 2 GbE, 3 SATA 3.0, 4 COM, 7 USB, 8 GPIO  
DC +12V~24V ( ±5% ) 输入



## NEX650

Mini-ITX 板载英特尔® 赛场® J1900 处理器

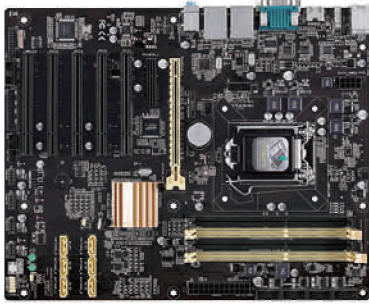
英特尔® 赛场® 处理器 J1900

支持双通道 DDR3 1333MHz, 2 x SO-DIMM, 最大 8GB 内存  
3 x COM(RS-232/422/485), 2 x COM(RS-232), 1 x HDMI  
1x D-Sub

1x 双通道 24-bit LVDS ; 4x USB 3.0, 6 x USB 2.0

2 x SATA2; 2 x Realtek 千兆网口

12~24V 直流电源输入



## NEX 910

ATX,LGA1150 封装，第四代英特尔®Core™ & 赛扬® 处理器 Q87 芯片组

支持 LGA1150 封装 第四代英特尔®Core™ i7/i5/i3 处理器和赛扬® 处理器

4 × DDR3 DIMM 插槽 最大支持 32GB

支持双 / 三独立显示：2 × HDMI/VGA/DVI-D

2 × 英特尔® 千兆网，6 × SATA3.0/2.0，14 × USB3.0/2.0

6 × COM,4- 进 /4- 出 GPIO,HD 声卡

## NEX 912

ATX，LGA1151 封装 第六代英特尔®Core™ & 赛扬® 处理器 Q170 芯片组

支持 LGA1151 封装 第六代英特尔®Core™ i7/i5/i3 和赛扬® 处理器（代号 Skylake）或下一代英特尔®Core™ / 赛扬® 处理器

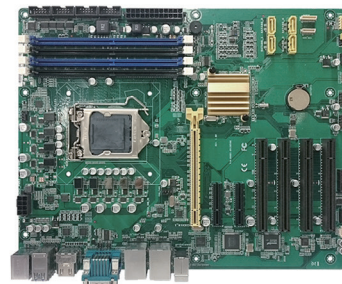
4x DDR4 DIMM 插槽 最大支持 64GB

支持三独立显示 2 X HDMI/VGA

2 X 英特尔® 千兆网口，4 X SATA 3.0, 14XUSB 3.0/2.0

6 × COM,4- 进 /4- 出 GPIO,HD 声卡

1 x PCIe x16,2 x PCIe x4, 4 xPCI



## EBC 357X

3.5" ECX 板载英特尔® 凌动™处理器 E3900

PU 主板背面设计

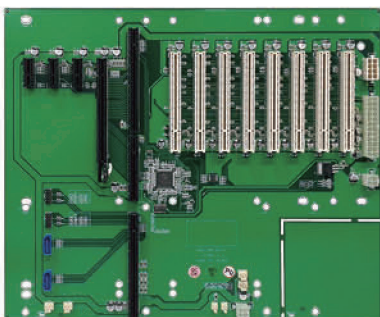
2 x 204-pin SODIMM DDR3L

三个独立显示：HDMI/VGA/LVDS

1x mini-PCIe/1 x NGFF, 2 X GbE, 4 X COM, 2 X SATA 2.0,

4 x USB 3.0，4- 进 /4- 出 GPIO，麦克风输入，声音输出

支持 AT/ATX 电源模式 单路 +12V 直流输入



## NBP 1358

14- 槽底板用于 4U 机箱 1 个 SHB 槽，支持 PCIe x16/ PCIe x1/PCI 槽 Slot

输送功率强大，支持更高性能

遵循 PICMG 1.3 安装孔 兼容 4U 机箱

支持 1x PCIe 16x,3 x PCIe 1x 和 8x PCI 槽





支持 +12V，-12V，-5V,3.3V 电源连接器




符合 PICMG1.3 规范 支持的主板：PEAK 886VL2，

PEAK887VL2，PEAK888VL






## 无风扇工业计算机

型号				
	NISE 50	NISE 50W	NISE 50-J1900	NISE 50-3845
处理器	Intel® Atom™ E3826 1.46GHz	Intel® Atom™ E3826 1.46GHz	Intel® Atom™ J1900 2.0GHz	Intel® Atom™ E3845 1.91GHz
芯片组	Intel® Bay Trail-I	Intel® Bay Trail-I	Intel® Bay Trail-I	Intel® Bay Trail-I
最大支持内存	2G DDR3L onboard (support 4G memory max)	2G DDR3L onboard (support 4G memory max)	4G DDR3L onboard (support 2G memory max)	4G DDR3L onboard (support 2G memory max)
硬盘大小	-	1 x 2.5" SATA HDD bay	-	-
CFast 插槽	-	-	-	-
SD 卡	-	-	-	-
eMMC	16GB	16GB	16GB	16/32GB
CD-ROM/DVD-ROM	-	-	-	-
DP	-	-	-	-
LVDS	-	-	-	-
DVI	-	-	-	-
TV-Out	-	-	-	-
HDMI	1	1	1	1
显示接口	-	-	-	-
eSATA	-	-	-	-
IEEE1394	-	-	-	-
USB	4	4	4 x USB 2.0	4 x USB 2.0
M.2	-	-	-	-
并口	-	-	-	-
串口	3	3	3	3
RS422/485	1	1	-	-
RS422/485 带隔离	-	-	-	-
CAN 总线	-	-	-	-
mini-PCIe	3	3	3	1
SIM 卡插座	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	1 x GbE	2 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +24V	ATX, DC +24V	ATX, DC 12V	ATX, DC 12V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	-	-	-	-
Win7 32-bit	-	V	V	V
Win7 64-bit	-	V	V	V
WES2009 32-bit	-	-	-	-
Win8 32-bit	V	V	V	V
Win8 64-bit	V	V	V	V
WinCE/WEC	-	-	-	-
Win10 32-bit	V	V	V	V
Win10 64-bit	V	V	V	V
机器尺寸 (W x D x H, mm)	162 x 26 x 150	285 x 150 x 26	146 x 26 x 150	146 x 26 x 150
包装尺寸 (W x D x H, mm)	233 x 227 x 169	346 x 265 x 200	233 x 227 x 169	233 x 227 x 169
净重 (kg)	0.87	1.4	0.84	0.84
毛重 (kg)	1.5	2.3	1.5	1.5

		
NISE 104	NISE 105	NISE 105-J1900
Intel® Atom™ D2550 1.86GHz	Intel® Atom™ E3826 1.46GHz	Intel® Atom™ J1900 2.0GHz
Intel® NM10	Intel® Bay Trail-I	Intel® Bay Trail-I
4G DDR3	4GB DDR3L	4GB DDR3L
1 x 2.5" SATA HDD bay	1 x 2.5" SATA 2.0 HDD bay	1 x 2.5" SATA 2.0 HDD bay
1 (External, CFast)	1 (External, SATA 2.0 CFast)	1 (External, SATA 2.0 CFast)
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
1 (DVI-I)	1 (DVI-I)	1 (DVI-I)
-	-	-
1	1	1
-	-	-
-	-	-
-	-	-
6	2 x USB 2.0 1 x USB 3.0	2 x USB 2.0 1 x USB 3.0
-	-	-
-	-	-
4	4	4
2	2	4
-	-	-
-	-	-
1	1	1
1 (Internal)	1	1
-	4-in/4-out (internal)	4-in/4-out (internal)
2 x GbE	2 x GbE	2 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
ATX, DC +10~28V	ATX, DC +9V~30VDC	ATX, DC +9V~30VDC
Optional	Optional	Optional
-	-	-
V	V	V
-	V	V
V	-	-
-	V	V
-	V	V
WinCE 7.0	WinCE 7.0	WinCE 7.0
-	V	V
-	V	V
185 x 131 x 54	185 x 131 x 54	185 x 131 x 54
259 x 233 x 129	259 x 233 x 129	259 x 233 x 129
1.2	1.3	1.3
2	2	2

## 无风扇工业计算机





型号			
	NISE 106-N3160	NISE 106-N3710	NISE 107-E3940
处理器	Intel® Celeron® N3160 1.6GHz	Intel® Pentium® N3710 1.6GHz	Intel® Atom® x5-E3940 1.8GHz
芯片组	Intel® Braswell	Intel® Braswell	Intel® Braswell
最大支持内存	4GB DDR3L	4GB DDR3L	8GB DDR3L
硬盘大小	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast 插槽	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
SD 卡	-	-	-
eMMC	-	-	-
CD-ROM/DVD-ROM	-	-	-
VGA	-	-	1
LVDS	-	-	-
DVI	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
TV-Out	-	-	-
HDMI	1	1	1
显示接口	1	1	1
eSATA	-	-	-
IEEE1394	-	-	-
USB	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0
PS/2	-	-	1
并口	-	-	-
串口	4	4	2
RS422/485	2	2	2
RS422/485 带隔离	-	-	-
CAN 总线	-	-	-
mini-PCle	1	1	1
SIM 卡插座	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +9V~30VDC	ATX, DC +9V~30VDC	ATX, DC +9V~30VDC
电源适配器	Optional	Optional	Optional
扩展槽	-	-	-
Win7 32-bit	V	V	V
Win7 64-bit	V	V	V
WES2009 32-bit	-	-	-
Win8 32-bit	V	V	V
Win8 64-bit	V	V	V
WinCE/WEC	-	-	-
Win10 32-bit	V	V	V
Win10 64-bit	V	V	V
机器尺寸 (W x D x H, mm)	185 x 131 x 54	185 x 131 x 54	185 x 131 x 54
包装尺寸 (W x D x H, mm)	245 x 318 x 152	245 x 318 x 152	245 x 318 x 152
净重 (kg)	1.3	1.3	1.3
毛重 (kg)	2	2	2







NISE 2400-J1900	NISE 2410E	NISE 2410-J1900	NISE 2420
Intel® Atom™ J1900 2.0GHz	Intel® Atom™ E3845 1.91GHz	Intel® Atom™ J1900 2.0GHz	Intel® Atom™ E3845 1.91GHz
Intel® Bay Trail-D	Intel® Bay Trail-I	Intel® Bay Trail-D	Intel® Bay Trail-I
8GB DDR3L	8GB DDR3	8GB DDR3L	8GB DDR3
1 x 2.5" SATA II HDD bay	1 x 2.5" SATA II HDD bay	1 x 2.5" SATA II HDD bay	1 x 2.5" SATA II HDD bay
1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1 (DVI-I)	1 (DVI-I)	1 (DVI-I)	1 (DVI-I)
-	-	-	-
1	1	1	1
-	-	-	-
-	-	-	-
-	-	-	-
4 x USB 2.0 1 x USB 3.0	4 x USB 2.0 1 x USB 3.0	4 x USB 2.0 1 x USB 3.0	4 x USB 2.0 1 x USB 3.0
-	-	-	-
-	-	-	-
4	4	4	4
2	2	2	2
-	-	-	-
-	-	-	-
2	2	2	2
1	1	1	1
4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
2 x GbE	2 x GbE	2 x GbE	2 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V
Optional	Optional	Optional	Optional
-	1 x PCIe	1 x PCI	2 x PCI
V	V	V	V
V	V	V	V
-	-	-	-
V	V	V	V
V	V	V	V
WinCE 7.0	WinCE 7.0	WinCE 7.0	WinCE 7.0
V	V	V	V
V	V	V	V
195 x 200 x 65	195 x 200 x 90	195 x 200 x 90	195 x 200 x 111
335 x 294 x 193	335 x 294 x 193	335 x 294 x 193	337 x 296 x 227
2.7	3	3	3.2
4	4.4	4.4	4.6











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型号				
	NISE 300	NISE 301	NISE 3600E	NISE 3600E2
处理器	4th Gen. Haswell Intel® i5-4402E BGA	Intel® Atom™ E3845 1.91GHz	3rd Gen. Intel® Core™ i5/i3 socket (2nd Gen. Intel® Core™ i5/i3 socket)	3rd Gen. Intel® Core™ i5/i3 socket (2nd Gen. Intel® Core™ i5/i3 socket)
芯片组	Intel® QM87	Intel® Bay Trail-I	Intel® QM77	Intel® QM77
最大支持内存	8GB DDR3/DDR3L	4GB DDR3L	8GB DDR3	8GB DDR3
硬盘大小	2 x 2.5" SATA3.0 HDD bay	1 x 2.5" SATA II HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast 插槽	1 (External, SATA 3.0 CFast)	1 (External, SATA 2.0 CFast)	1 (External, CFast)	1 (External, CFast)
SD 卡	-	-	-	-
eMMC	-	-	-	-
CD-ROM/DVD-ROM	-	-	-	-
VGA	-	1	1	1
LVDS	-	-	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)
DVI	1 (DVI-I)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
TV-Out	-	-	-	-
HDMI	1	-	-	-
显示接口	-	-	2	2
eSATA	-	-	-	-
IEEE1394	-	-	-	-
USB	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0
PS/2	-	-	-	-
并口	-	-	-	-
串口	2	2	6	6
RS422/485	2 (RS232/422/485)	2 (RS232/422/485)	1	1
RS422/485 带隔离	-	-	-	-
CAN 总线	-	-	-	-
mini-PCIe	6	2	1	1
SIM 卡插座	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE	2 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +9~30V	ATX, DC +24V	ATX, DC +9~30V	ATX, DC +9~30V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	-	-	1 x PCIe x4	2 x PCIe x4
Win7 32-bit	V	V	V	V
Win7 64-bit	V	V	V	V
WES2009 32-bit	-	-	V	V
Win8 32-bit	V	V	V	V
Win8 64-bit	V	V	V	V
WinCE/WEC	-	WEC 7	-	-
Win10 32-bit	-	-	V	V
Win10 64-bit	-	-	V	V
机器尺寸 (W x D x H, mm)	310 x 212 x 80	205 x 160 x 80	215 x 272 x 93	215 x 272 x 114
包装尺寸 (W x D x H, mm)	440 x 340 x 224	324 x 303 x 193	378 x 342 x 269	378 x 342 x 269
净重 (kg)	4.3	2.4	5	5.4
毛重 (kg)	5.7	3.6	7	7.4

			
NISE 3600P2	NISE 3600P2E	NISE 3640E	NISE 3640E2
3rd Gen. Intel® Core™ i5/i3 socket (2nd Gen. Intel® Core™ i5/i3 socket)	3rd Gen. Intel® Core™ i5/i3 socket (2nd Gen. Intel® Core™ i5/i3 socket)	3rd Gen. Intel® Core™ i7 BGA	3rd Gen. Intel® Core™ i7 BGA
Intel® QM77	Intel® QM77	Intel® QM77	Intel® QM77
8GB DDR3	8GB DDR3	8GB DDR3	8GB DDR3
1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
-	-	-	-
-	-	-	-
-	-	-	-
1	1	1	1
Dual, 24-bit (Internal)	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)
1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
-	-	-	-
-	-	-	-
2	2	2	2
-	-	-	-
-	-	-	-
2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0
-	-	-	-
-	-	-	-
6	6	6	6
1	1	2	2
-	-	-	-
-	-	-	-
1	1	2	2
1	1	1	1
4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
2 x GbE	2 x GbE	4 x GbE	4 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +24V	ATX, DC +24V
Optional	Optional	Optional	Optional
2 x PCI	1 x PCI and 1 x PCIe x4	1 x PCIe x4	2 x PCIe x4
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
-	-	-	-
V	V	-	-
V	V	-	-
215 x 272 x 114	215 x 272 x 114	215 x 272 x 93	215 x 272 x 114
378 x 342 x 269	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269
5.4	5.4	5.2	5.4
7.4	7.4	7	7.2





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型号				
	NISE 3640P2	NISE 3640P2E	NISE 3640M2E	NISE 3640VR
处理器	3rd Gen. Intel® Core™ i7 BGA	3rd Gen. Intel® Core™ i7 BGA	3rd Gen. Intel® Core™ i7 BGA	3rd Gen. Intel® Core™ i7 BGA
芯片组	Intel® QM77	Intel® QM77	Intel® QM77	Intel® QM77
最大支持内存	8GB DDR3	8GB DDR3	8GB DDR3/DDR3L	8GB DDR3
硬盘大小	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	2 x 3.5" SATA HDD bay
CFast 插槽	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
SD 卡	-	-	-	-
eMMC	-	-	-	-
CD-ROM/DVD-ROM	-	-	-	-
VGA	1	1	1	1
LVDS	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)	Dual, 24-bit (Internal)
DVI	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
TV-Out	-	-	-	-
HDMI	-	-	-	-
显示接口	2	2	2	2
eSATA	-	-	-	-
IEEE1394	-	-	-	-
USB	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0
PS/2	-	-	-	-
并口	-	-	-	-
串口	6	6	6	6
RS422/485	2	2	2	2
RS422/485 带隔离	-	-	-	-
CAN 总线	-	-	-	-
mini-PCIe	2	2	2	2
SIM 卡插座	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	4 x GbE	4 x GbE	4 x GbE	4 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	2 x PCI	1 x PCI and 1 x PCIe x4	1 x PCI and 1 x PCIe x4	-
Win7 32-bit	V	V	V	V
Win7 64-bit	V	V	V	V
WES2009 32-bit	V	V	V	V
Win8 32-bit	V	V	V	V
Win8 64-bit	V	V	V	V
WinCE/WECC	-	-	-	-
Win10 32-bit	-	-	-	-
Win10 64-bit	-	-	-	-
机器尺寸 (W x D x H, mm)	215 x 272 x 114	215 x 272 x 114	215 x 272 x 114	215 x 272 x 114
包装尺寸 (W x D x H, mm)	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269
净重 (kg)	5.4	5.4	5.4	5.2
毛重 (kg)	7.2	7.2	7.2	7

			
NISE 3700E	NISE 3700E2	NISE 3700P2E	NISE 3700E-C226
4th Gen. Intel® Core™ i7/i5/i3 LGA socket	4th Gen. Intel® Core™ i7/i5/i3 LGA socket	4th Gen. Intel® Core™ i7/i5/i3 LGA socket	4th Gen. Intel® Core™ i7/i5/i3 LGA socket
Intel® Q87 PCH	Intel® Q87 PCH	Intel® Q87 PCH	Intel® C226 PCH
8GB DDR3/DDR3L	8GB DDR3/DDR3L	8GB DDR3/DDR3L	8GB DDR3/DDR3L
1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)
-	-	-	-
1	1	1	-
-	-	-	-
-	-	-	-
-	-	-	-
4 x USB 2.0 4 x USB 3.0	4 x USB 2.0 4 x USB 3.0	4 x USB 2.0 4 x USB 3.0	4 x USB 2.0 2 x USB 3.0
-	-	-	-
-	-	-	-
3	3	3	3
2	2	2	2
-	-	-	-
-	-	-	-
2	2	2	2
1	1	1	1
4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
3 x GbE	3 x GbE	3 x GbE	2 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V
Optional	Optional	Optional	Optional
1 x PCIe x4	2 x PCIe x4	1 x PCI and 1 x PCIe x4	1 x PCIe x4
V	V	V	V
V	V	V	V
-	-	-	-
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
215 x 272 x 93	215 x 272 x 114	215 x 272 x 114	215 x 272 x 93
378 x 342 x 269	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269
4.5	5	5	4.5
5.9	6.4	6.4	5.9







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型号				
	NISE 3700E2-C226	NISE 3700P2E-C226	NISE 3720E2	NISE 3720P2E
处理器	4th Gen. Intel® Core™ i7/i5/i3 LGA socket	4th Gen. Intel® Core™ i7/i5/i3 LGA socket	Onboard Intel® Core™ i7 Processor (i7-5650U)	Onboard Intel® Core™ i7 Processor (i7-5650U)
芯片组	Intel® C226 PCH	Intel® C226 PCH	Broadwell MCP	Broadwell MCP
最大支持内存	8GB DDR3/DDR3L	8GB DDR3/DDR3L	8GB DDR3L	8GB DDR3L
硬盘大小	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast 插槽	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
SD 卡	-	-	-	-
eMMC	-	-	-	-
CD-ROM/DVD-ROM	-	-	-	-
VGA	-	-	1	1
LVDS	-	-	-	-
DVI	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)
TV-Out	-	-	-	-
HDMI	-	-	-	-
显示接口	-	-	2	2
eSATA	-	-	-	-
IEEE1394	-	-	-	-
USB	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 2 x USB 3.0	2 x USB 2.0 2 x USB 3.0 2 x Internal USB 2.0	2 x USB 2.0 2 x USB 3.0 2 x Internal USB 2.0
PS/2	-	-	-	-
并口	-	-	-	-
串口	3	3	6	6
RS422/485	2	2	2 (RS232/422/485)	2 (RS232/422/485)
RS422/485 带隔离	-	-	-	-
CAN 总线	-	-	-	-
mini-PCIe	2	2	2 (mSATA/ PCIe option)	2 (mSATA/ PCIe option)
SIM 卡插座	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE	2 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +24V	ATX, DC +24V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	2 x PCIe x4	1 x PCI and 1 x PCIe x4	2 x PCIe x4	1 x PCI and 1 x PCIe x4
Win7 32-bit	V	V	V	V
Win7 64-bit	V	V	V	V
WES2009 32-bit	-	-	-	-
Win8 32-bit	V	V	V	V
Win8 64-bit	V	V	V	V
WinCE/WEC	V	V	-	-
Win10 32-bit	V	V	-	-
Win10 64-bit	V	V	-	-
机器尺寸 (W x D x H, mm)	215 x 272 x 114	215 x 272 x 114	215 x 272 x 114	215 x 272 x 114
包装尺寸 (W x D x H, mm)	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269
净重 (kg)	5	5	5	5
毛重 (kg)	6.4	6.4	6.4	6.4

			
NISE 3800E	NISE 3800P2E	NISE 3800E-H110	NISE 3800R
6th Gen. Intel® Core™ i7/i5/i3 LGA socket	6th Gen. Intel® Core™ i7/i5/i3 LGA socket	6th Gen. Intel® Core™ i7/i5/i3 LGA socket	6th Gen. Intel® Core™ i7/i5/i3 LGA socket
Intel® Q170 PCH	Intel® Q170 PCH	Intel® H110 PCH	Intel® Q170 PCH
16GB DDR4/DDR4L	16GB DDR4/DDR4L	16GB DDR4/DDR4L	16GB DDR4/DDR4L
1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1	1	1	1
-	-	-	-
1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
-	-	-	-
1	1	1	1
-	-	-	-
-	-	-	-
-	-	-	-
2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0
-	-	-	-
-	-	-	-
2	2	2	2
2	2	2	2
-	-	-	-
-	-	-	-
2	2	2	2
1	1	1	1
4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
3 x GbE	3 x GbE	3 x GbE	3 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~30V
Optional	Optional	Optional	Optional
1 x PCIe x4	1 x PCI and 1 x PCIe x4	1 x PCIe x4	1 x PCIe x4
V	V	V	V
V	V	V	V
-	-	-	-
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
V	V	V	V
215 x 272 x 93	215 x 272 x 114	215 x 272 x 93	215 x 272 x 93
378 x 342 x 269	378 x 342 x 269	378 x 342 x 269	378 x 342 x 269
4.5	5	4.5	4.5
5.9	6.4	5.9	5.9

## 无风扇工业计算机






型号				
	NISE 3900E	NISE 4200	NBOX-3400P2	NBOX-4500P2
处理器	Intel Coffeelake (S-Series) 6 Core i7/i5/i3 LGA socket	Skylake (H-Series) i3 -6102E, DC, 1.9GHz	Intel® Atom™ E3845 1.91GHz	4th Gen. Intel® Core™ i7/i5/i3 LGA socket
芯片组	Intel Coffeelake (S-Series)	Intel® Skylake	Intel® Bay Trail-I	Intel® Q87 PCH
最大支持内存	16GB DDR4/DDR4L	16GB DDR4L	8GB DDR3	8GB DDR3/DDR3L
硬盘大小	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
M.2	2	1	-	-
SD 卡	-	-	-	-
eMMC	-	-	-	-
CD-ROM/DVD-ROM	-	-	-	-
DP	1	2	-	-
VGA	-	-	-	1
DVI	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)/1 (DVI-D)	1 (DVI-I)	1 (DVI-I)
TV-Out	-	-	-	-
HDMI	1	-	1	1
显示接口	-	-	2	3
eSATA	-	-	-	-
IEEE1394	-	-	-	-
USB	4 x USB 2.0 6 x USB 3.0	2 x USB 2.0 4 x USB 3.0	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 2 x USB 3.0
PS/2	-	-	-	-
并口	-	-	-	-
串口	2	6	6	6
RS422/485	2	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)
RS422/485 带隔离	-	-	-	-
CAN 总线	-	-	-	-
mini-PCIe	1	2	-	-
SIM 卡插座	1	1	1	1
GPIO	4-in/4-out (internal)	8-in/8-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE	4 x GbE
音频接口	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
输入电压	ATX, DC +9~30V	ATX, DC +9~30V	ATX, DC +9~36V	ATX, DC +9~36V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	1 x PCIe x4	-	2 x PCIe x4	2 x PCI
Win7 32-bit	V	V	V	V
Win7 64-bit	V	V	V	V
WES2009 32-bit	-	-	-	-
Win8 32-bit	V	V	V	V
Win8 64-bit	V	V	V	V
WinCE/WEC	V	-	-	-
Win10 32-bit	V	-	-	-
Win10 64-bit	V	-	-	-
机器尺寸 (W x D x H, mm)	215 x 272 x 114	224 x 150x 53	224 x 220 x 114	269 x 243 x 116
包装尺寸 (W x D x H, mm)	378 x 342 x 269	378 x 220 x 120	378 x 342 x 260	378 x 342 x 260
净重 (kg)	4.5	3	5	5
毛重 (kg)	5.9	4.2	6.4	6.4







## 工厂自动化产品

型号				
	NIFE 101	NIFE 103	NIFE 105	NIFE 105-J1900
处理器	Intel® Atom™ E3826 1.46GHz	Intel® Atom™ E3826 1.46GHz	Intel® Atom™ x5-E3930 1.8GHz	Intel® Atom™ J1900 2.0GHz
芯片组	Intel® Bay Trail-I	Intel® Bay Trail-I	Intel® Apollo Lake-I	Intel® Bay Trail-D
最大支持内存	4GB DDR3L	Onboard 2GB DDR3L	Onboard 4GB DDR3L	8GB DDR3L
NVRAM	1Mb	-	-	-
存储	1 x 2.5" SATA HDD bay	Onboard eMMC 16GB	Onboard eMMC 16GB	Onboard eMMC 16GB
CFast 插槽	1 (External, CFast)	-	-	-
SD 卡	-	-	1	1
VGA	-	-	-	-
DVI	1 (DVI-I)	-	-	-
HDMI	-	1 (Micro HDMI)	1	1
显示接口	-	-	-	-
USB	1 x USB 2.0 1 x USB 3.0	1 x USB 2.0 1 x USB 3.0	4 x USB 3.0	4 x USB 3.0
PS/2	-	-	-	-
并口	-	-	-	-
串口	2	1	2	2
RS422/485	2 (RS232/422/485)	1 (RS485)	2 (RS232/422/485)	2 (RS232/422/485)
RS422/485 带隔离	2 (2.5KV Isolation)	1 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)
CAN 总线	-	-	-	-
mini-PCIe	1	2	2	2
SIM 卡插槽	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (external)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE	2 x GbE
音频接口	Line-out	-	-	-
现场总线 I/O 支持	-	-	-	-
输入电压	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V
Win7 32-bit	V	V	-	-
Win7 64-bit	V	V	-	-
WES2009 32-bit	-	-	-	-
Win8 32-bit	V	V	-	-
Win8 64-bit	V	V	-	-
WinCE/WECC	WinCE 7.0	WinCE 7.0	-	-
Win10 32-bit	-	V	-	-
Win10 64-bit	-	V	V	V
电源适配器	Optional	Optional	Optional	Optional
扩展槽	-	-	-	-
工作温度 (w/HDD) 符合 IEC 60068 STD 标准	-20°C to 70°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
机器尺寸 (W x D x H, mm)	58 x 135.5 x 192.5	56.5 x 100 x 120	46.2 x 100 x 120	46.2 x 100 x 120
包装尺寸 (W x D x H, mm)	298 x 262 x 196	212 x 221 x 164	212 x 221 x 164	212 x 221 x 164
净重 (kg)	1.7	0.6	0.7	0.7
毛重 (kg)	2.8	1.5	1.6	1.6






## 工厂自动化产品

型号					
	NIFE 105W	NIFE 200	NIFE 200P2	NIFE 200P2E	NIFE 200E2
处理器	Intel® Atom™ x5-E3930 1.8GHz	Intel® Atom™ J1900 2.0GHz	Intel® Atom™ J1900 2.0GHz	Intel® Atom™ J1900 2.0GHz	Intel® Atom™ J1900 2.0GHz
芯片组	Intel® Apollo Lake-I	Intel® Bay Trail-D	Intel® Bay Trail-D	Intel® Bay Trail-D	Intel® Bay Trail-D
最大支持内存	Onboard 4GB DDR3L	8GB DDR3L	8GB DDR3L	8GB DDR3L	8GB DDR3L
NVRAM	-	-	-	-	-
存储	Onboard eMMC 16GB	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast 插槽	-	-	-	-	-
SD 卡	1	1	1	1	1
VGA	-	-	-	-	-
DVI	-	1 (DVI-I)	1 (DVI-I)	1 (DVI-I)	1 (DVI-I)
HDMI	1	-	-	-	-
显示接口	-	1	1	1	1
USB	4 x USB 3.0	3 x USB 2.0 1 x USB 3.0	3 x USB 2.0 1 x USB 3.0	3 x USB 2.0 1 x USB 3.0	3 x USB 2.0 1 x USB 3.0
PS/2	-	1 (Internal)	1 (Internal)	1 (Internal)	1 (Internal)
并口	-	-	-	-	-
串口	2	2	2	2	2
RS422/485	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)
RS422/485 带隔离	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)
CAN 总线	-	-	-	-	-
mini-PCIe	2	2	2	2	2
SIM 卡插槽	1	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
网口	2 x GbE	2 x GbE	2 x GbE	2 x GbE	2 x GbE
音频接口	-	Line-out	Line-out	Line-out	Line-out
现场总线 I/O 支持	1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)
输入电压	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V
Win7 32-bit	-	V	V	V	V
Win7 64-bit	-	V	V	V	V
WES2009 32-bit	-	-	-	-	-
Win8 32-bit	-	V	V	V	V
Win8 64-bit	-	V	V	V	V
WinCE/WEC	-	WinCE 7.0	WinCE 7.0	WinCE 7.0	WinCE 7.0
Win10 32-bit	-	V	V	V	V
Win10 64-bit	V	V	V	V	V
电源适配器	Optional	Optional	Optional	Optional	Optional
扩展槽	-	-	2 x PCI	1 x PCI and 1x PCIe x1	2 x PCIe x1
工作温度 (w/HDD) 符合 IEC 60068 STD 标准	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
机器尺寸 (W x D x H, mm)	78.2 x 100 x 120	85 x 157 x 214	151 x 157 x 230	151 x 157 x 230	151 x 157 x 230
包装尺寸 (W x D x H, mm)	212 x 221 x 164	346 x 265 x 200	355 x 259 x 321	355 x 259 x 321	355 x 259 x 321
净重 (kg)	0.8	2.3	3.3	3.3	3.3
毛重 (kg)	1.8	3.3	4.3	4.3	4.3





					
NIFE 300	NIFE 300P2	NIFE 300P2E	NIFE 300E16	NIFE 300P3	NIFE 300E3
6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)	6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)	6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)	6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)	6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)	6th Gen. Intel® Core™ i7/i5/i3 LGA socket (Skylake-S)
Intel® Q170	Intel® Q170	Intel® Q170	Intel® Q170	Intel® Q170	Intel® Q170
8GB DDR4 2133MHz	8GB DDR4 2133MHz	8GB DDR4 2133MHz	8GB DDR4 2133MHz	8GB DDR4 2133MHz	8GB DDR4 2133MHz
-	-	-	-	-	-
2 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay
1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)	1 (External, CFast)
-	-	-	-	-	-
-	-	-	-	-	-
1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
1	1	1	1	1	1
-	-	-	-	-	-
2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0
1 (Internal)	1 (Internal)	1 (Internal)	1 (Internal)	1 (Internal)	1 (Internal)
-	-	-	-	-	-
2	2	2	2	2	2
2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)
2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)	2 (2.5KV Isolation)
-	-	-	-	-	-
2	2	2	2	2	2
1	1	1	1	1	1
4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)	1 (Optional)
ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V
V	V	V	V	V	V
V	V	V	V	V	V
-	-	-	-	-	-
V	V	V	V	V	V
V	V	V	V	V	V
-	-	-	-	-	-
V	V	V	V	V	V
V	V	V	V	V	V
Optional	Optional	Optional	Optional	Optional	Optional
-	2 x PCI	1 x PCI and 1 x PCIe x8	1 x PCIe x16	2 x PCI and 1 x PCIe x8	2 x PCIe x4 and 1 x PCIe x8
-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
90 x 185 x 251	155 x 185 x 251	155 x 185 x 251	155 x 185 x 251	175 x 185 x 251	175 x 185 x 251
389 x 329 x 251	389 x 329 x 336	389 x 329 x 336	389 x 329 x 336	389 x 329 x 336	389 x 329 x 336
3.5	4.4	4.4	4.4	4.7	4.7
4.9	6.1	6.1	6.1	6.4	6.4

人机界面

型号			
	eTOP504	eSMART04N	eTOP507/507N
LCD 尺寸	4.3" 16:9	4.3" 16:9	7" 16:9
最大分辨率	WQVGA, 480 x 272	WQVGA, 480 x 272	WVGA, 800 x 480
亮度 (cd/m2)	150 typ.	200 typ.	300 typ.
背光	LED	LED	LED
LCD 色彩	64K	64K	64K
触摸屏	Resistive	Resistive	Resistive
系统	Microsoft Windows CE 6.0	Linux 3.12	Microsoft Windows CE 6.0
内存	256MB DDR	256MB DDR	256MB DDR
使用内存	128MB	2GB	128MB
网络	2 (10/100 Mbit)	1 (10/100 Mbit)	2 (10/100 Mbit)
USB	2 x USB 2.0	1 x USB 2.0	2 x USB 2.0
串口	1 x RS232, 422, 485 software configuration	1 x RS232, 422, 485 software configuration	1 x RS232, 422, 485 software configuration
电源插孔	3-pin terminal block	3-pin terminal block	3-pin terminal block
SD 插槽	Yes	-	Yes
扩展槽	1 Optional plug-in	-	2 Optional plug-in
结构	Aluminum	Plastic	Aluminum
安装方式	Panel Mounting	Panel Mounting	Panel Mounting
输入电压	24 Vdc (10 to 32 Vdc)	24 Vdc (18 to 32 Vdc)	24 Vdc (10 to 32 Vdc)
电流及功率	0.55A at 24Vdc (max.)	0.25A at 24Vdc (max.)	0.65A at 24Vdc (max.)
电源适配器	Optional	Optional	Optional
工作温度	0°C to 50°C	0°C to 50°C	0°C to 50°C
存储温度	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
工作湿度	5% ~ 85%, Non-condensing	5% ~ 85%, Non-condensing	5% ~ 85%, Non-condensing
防尘防水等级	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)
开孔尺寸 (W x H, mm)	136 x 96	136 x 96	176 x 136
尺寸 (W x H x D, mm)	147 x 107 x 60	147 x 107 x 34	187 x 147 x 51
净重 (kg)	Approx. 1	Approx 0.4	Approx. 1
毛重 (kg)	1.3	0.7	1.4





			
eSMART07N	eTOP510	eSMART10N	eLITE610
7" 16:9	10.4" 4:3	10.1" 16:9	10.1" 16:9
WVGA, 800 x 480	SVGA, 800 x 600	WSVGA, 1024 x 600	WSVGA, 1024 x 600
200 typ.	300 typ.	200 typ.	240
LED	LED	LED	LED
64K	64K	64K	16.7M
Resistive	Resistive	Resistive	Resistive
Linux 3.12	Microsoft Windows CE 6.0	Linux 3.12	Windows 10
256MB DDR	256MB DDR	512MB DDR	4GB DDR3L
2GB	256MB	4GB	32GB
1 (10/100 Mbit)	2 (10/100 Mbit)	1 (10/100 Mbit)	2 (10/100/1000 Mbit)
1 x USB 2.0	2 x USB 2.0	1 x USB 2.0	2 x USB 3.0
1 x RS232, 422, 485 software configuration	1 x RS232, 422, 485 software configuration	1 x RS232, 422, 485 software configuration	1 x RS232, 422, 485 BIOS configuration
3-pin terminal block	3-pin terminal block	3-pin terminal block	3-pin terminal block
-	Yes	-	-
-	2 Optional plug-in	-	-
Plastic	Aluminum	Plastic	Plastic
Panel Mounting	Panel Mounting	Panel Mounting	Panel/VESA Mounting
24 Vdc (18 to 32 Vdc)	24 Vdc (10 to 32 Vdc)	24 Vdc (18 to 32 Vdc)	24 Vdc (19.2 to 28.8 Vdc)
0.3A at 24Vdc (max.)	0.95A at 24Vdc (max.)	0.38A at 24Vdc (max.)	1.64A at 24Vdc (max.)
Optional	Optional	Optional	Optional
0°C to 50°C	0°C to 50°C	0°C to 50°C	-5°C to 50°C
-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 75°C
5% ~ 85%, Non-condensing	5% ~ 85%, Non-condensing	5% ~ 85%, Non-condensing	5% ~ 90%, Non-condensing
IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)
176 x 136	276 x 221	271 x 186	271 x 186
187 x 147 x 34	287 x 232 x 60	282 x 197 x 35	282 x 197 x 35
Approx. 0.6	Approx. 2.1	Approx. 1	Approx. 1.37
0.9	2.8	1.6	2.3

## 工业平板电脑




型号				
	IPPC A1570T-DC	IPPC A1570P-DC	IPPC A1770T-DC	IPPC A1770P-DC
液晶显示器尺寸	15" 4:3	15" 4:3	17" 4:3	17" 4:3
最大分辨率	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
亮度 (cd/m2)	450	450	350	350
对比度	800	800	1000	1000
视角 (H-V)	70(U), 80(D), 80(L), 80(R)	70(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
背光	LED	LED	LED	LED
LCD 色彩	16.2M	16.2M	16.7M	16.7M
触摸屏	Resistive 5-wire	Five Point P-cap	Resistive 5-wire	Five Point P-Cap
触摸透光度	81%	87%	81%	87%
处理器	4th Gen. Intel® Core™ i5/i3 LGA socket	4th Gen. Intel® Core™ i5/i3 LGA socket	4th Gen. Intel® Core™ i5/i3 LGA socket	4th Gen. Intel® Core™ i5/i3 LGA socket
芯片组	Intel® QM87	Intel® QM87	Intel® QM87	Intel® QM87
内存	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L
CFAST 插座	1	1	1	1
显示输出	DVI-H + DP	DVI-H + DP	DVI-H + DP	DVI-H + DP
PS2 KB/MS	1	1	2	2
以太网 (10/100/1000)	2	2	2	2
线路输出	1	1	1	1
线路输入	1	1	1	1
麦克风	1	1	1	1
USB 2.0/3.0	1(In front)/4	1(In front)/4	1(In front)/4	1(In front)/4
串口	2 x RS232,422,485	2 x RS232,422,485	2 x RS232,422,485	2 x RS232,422,485
并口	-	-	-	-
电源开关	1	1	1	1
远程电源开 / 关	1	1	1	1
复位按钮	1	1	1	1
电源插孔	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector
GPIO	-	-	-	-
数字输入输出	-	-	-	-
扩展	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots
前面板结构	Aluminum Front Bezel	Aluminum Front Bezel	Aluminum Front Bezel	Aluminum Front Bezel
安装	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
输入功率	+12V~30VDC	+12V ~ 30VDC	+12~30VDC	+12~30VDC
电源适配器	Optional	Optional	Optional	Optional
操作温度	-10°C to 50°C	-20°C to 60°C	-10°C to 50°C	-10°C to 60°C
存储温度	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
工作湿度	10%~90% relative humidity, Non-condensing	10%~90% relative humidity, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
防尘防水等级	Front Frame IP66	Front Frame IP66	Front Frame IP66	Front Frame IP66
开孔尺寸 (W x H, mm)	382 x 312	382 x 312	436 x 360.5	436 x 360.5
尺寸 (W x H x D, mm)	400 x 330 x 104.9	400 x 330 x 104.9	451 x 375.5 x 105	451 x 375.5 x 105
净重 (kg)	8.99	9.08	10.2	10.2
毛重 (kg)	13.83	13.83	16.2	16.2

				
IPPC A1770T-AC	IPPC A1770P-AC	IPPC A1770TF-DC	IPPC 1640P	IPPC 1670P
17" 4:3	17" 4:3	17" 4:3	15.6" 16:9	18.5" 16:9
SXGA, 1280 x 1024	SXGA, 1280 x 1024	SXGA, 1280 x 1024	WXGA, 1366 x 768	WXGA, 1366 x 768
350	350	350	300	300
1000	1000	1000	500	1000
80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
LED	LED	LED	LED	LED
16.7M	16.7M	16.7M	16.7M	16.7M
Resistive 5-wire	Five Point P-Cap	Resistive 5-wire	10 Point P-Cap	10 Point P-Cap
81%	87%	81%	87%	87%
4th Gen. Intel® Core™ i5/i3 LGA socket	4th Gen. Intel® Core™ i5/i3 LGA socket	4th Gen. Intel® Core™ i7/i5/i3 LGA socket	Intel® Celeron® J1900 Quad Core 2.0 GHz	Intel® Celeron® J1900 Quad Core 2.0 GHz
Intel® QM87	Intel® QM87	Intel® QM87	-	-
Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	4GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module
1	1	1	1	1
DVI-I + DP	DVI-I + DP	DVI-I + DP	VGA	VGA
2	2	2	1	1
2	2	2	2	2
1	1	1	1	1
1	1	1	-	-
1	1	1	-	-
1(In front)/4	1(In front)/4	1(In front)/4	2/1	2/1
Isolation 2 x RS232,422,485	Isolation 2 x RS232,422,485	2 x RS232,422,485	Isolation 2 x RS232,422,485	Isolation 2 x RS232,422,485
-	-	-	-	-
1	1	1	1	1
1	1	1	1	1
1	1	1	1	1
AC Inlet (IEC60320 C14)	AC Inlet (IEC60320 C14)	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector
4-In/4-Out	4-In/4-Out	-	-	-
4-In/4-Out	4-In/4-Out	-	-	-
2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe	2 x mini-PCIe
Aluminum Front Bezel	Aluminum Front Bezel	Aluminum Front Bezel	Aluminum Front Zero Bezel	Aluminum Front Zero Bezel
Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
100-240 V~, 1.5A, 50-60Hz; Fuse: 250VAC/3A	100-240 V~, 1.5A, 50-60Hz; Fuse: 250VAC/3A	+12~30VDC	+12~30VDC	+12~30VDC
Internal	Internal	Optional	Optional	Optional
-10°C to 50°C	-10°C to 60°C	-10°C to 50°C	-10°C to 60°C	-10°C to 60°C
-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
Front Frame IP66	Front Frame IP66	Front Frame IP66	Front Frame IP66	Front Frame IP66
436 x 360.5	436 x 360.5	436 x 360.5	401 x 296	475.4 x 305.2
451 x 375.5 x 92.9	451 x 375.5 x 92.9	451 x 375.5 x 105	417.4 x 312.4 x 63.75	490.8 x 320.6 x 62.65
10.5	10.5	9.26	6.4	8.2
16.5	16.5	15.26	10	10.5

## 工业平板电脑




型号				
	IPPC A1970T-DC	IPPC A1970P-DC	IPPC 2140P	IPPC 2160P-DC
液晶显示器尺寸	19" 4:3	19" 4:3	21.5" 16:9	21.5" 16:9
最大分辨率	SXGA, 1280 x 1024	SXGA, 1280 x 1024	Full HD, 1920 x 1080	Full HD, 1920 x 1080
亮度 (cd/m2)	350	350	300	300
对比度	1000	1000	5000	5000
视角 (H-V)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)	89(U), 89(D), 89(L), 89(R)
背光	LED	LED	LED	LED
LCD 色彩	16.7M	16.7M	16.7M	16.7M
触摸屏	Resistive 5-wire	Five Point P-cap	10 Point P-Cap	Five Point P-Cap
触摸透光度	80%	87%	87%	87%
处理器	4th Gen. Intel®Core™ i5/i3 LGA socket	4th Gen. Intel®Core™ i5/i3 LGA socket	Intel® Celeron® J1900 Quad Core 2.0 GHz	3rd Gen. Intel®Core™ i5 (i5-3610ME) 2 x 2.7GHz
芯片组	Intel® QM87	Intel® QM87	-	Intel® HM76
内存	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	4GB DDR3L SO-DIMM module	4GB DDR3 SO-DIMM module
CFAST 插座	1	1	1	1
显示输出	DVI-H + DP	DVI-H + DP	VGA	VGA
PS2 KB/MS	1	1	1	2
以太网 (10/100/1000)	2	2	2	2
线路输出	1	1	1	1
线路输入	1	1	-	1
麦克风	1	1	-	1
USB 2.0/3.0	1 (In front)/4	1 (In front)/4	2/1	4/-
串口	2 x RS232,422,485	2 x RS232,422,485	Isolation 2 x RS232,422,485	2 x RS232,422,485/ 1 x RS232
并口	-	-	-	-
电源开关	1	1	1	1
远程电源 开 / 关	1	1	1	-
复位按钮	1	1	1	1
电源插孔	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector
GPIO	-	-	-	-
数字输入输出	-	-	-	-
扩展	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe	2 x mini-PCIe/ 2 x PCI or PCIe slots
前面板结构	Aluminum Front Bezel	Aluminum Front Bezel	Aluminum Front Zero Bezel	Aluminum Front Bezel
安装	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/ VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
输入功率	+12V~30VDC	+12V~30VDC	+12~30VDC	+12~30VDC
电源适配器	Optional	Optional	Optional	Optional
操作温度	-10°C to 50°C	-20°C to 60°C	-10°C to 60°C	-10°C to 60°C
存储温度	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
工作湿度	10%~90% relative humidity, Non-condensing	10%~90% relative humidity, Non-condensing	10%~90%, Non-condensing	10% ~ 90%, Non-condensing
防尘防水等级	Front Frame IP66	Front Frame IP66	Front Frame IP66	Front Frame IP65
开孔尺寸 (W x H, mm)	452 x 382	452 x 382	547 x 367	455 x 385
尺寸 (W x H x D, mm)	470 x 400 x 104.9	470 x 400 x 104.9	562.4 x 382.4 x 62.85	562.4 x 382.4 x 99.38
净重 (kg)	10.25	10.34	9.26	11.91
毛重 (kg)	16.25	16.34	13	18.91





工业触控显示器

型号			
	IPPD 1600P	IPPD 1800P	IPPD 2100P
液晶显示器尺寸	15.6" 16:9	18.5" 16:9	21.5" 16:9
最大分辨率	WXGA, 1366 x 768	WXGA, 1366 x 768	Full HD, 1920 x 1080
亮度 (cd/m2)	300	400	300
对比度	500	1000	5000
视角 (H-V)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)
背光	LED	LED	LED
LCD 色彩	16.7M	16.7M	16.7M
触摸屏	10 Point P-Cap	10 Point P-Cap	10 Point P-Cap
触摸透光度	87%	87%	87%
触摸屏输入输出	USB	USB	USB
OSD 功能	OSD Keypad	OSD Keypad	OSD Keypad
视频输入	VGA; DVI-D; DP	VGA; DVI-D; DP	VGA; DVI-D; DP
电源插孔	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector	Terminal Blocks 3-Pin Phoenix Connector
前面板结构	Aluminum Front Zero Bezel	Aluminum Front Zero Bezel	Aluminum Front Zero Bezel
安装	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
输入功率	+12~30VDC	+12~30VDC	+12~30VDC
电源适配器	Optional	Optional	Optional
操作温度	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
存储温度	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
工作湿度	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
防尘防水等级	Front Frame IP66	Front Frame IP66	Front Frame IP66
认证	CE, FCC Class B	CE, FCC Class B	CE, FCC Class B
开孔尺寸 (W x H, mm)	401 x 296	475.4 x 305.2	547 x 367
尺寸 (W x H x D, mm)	417.4 x 312.4 x 51.75	490.8 x 320.6 x 50.65	562.4 x 382.4 x 50.85
净重 (kg)	5.48	6.24	7.87
毛重 (kg)	8.5	9	12







## 应用型平板电脑

型号			
	APPC 0840T	APPC 1235T	APPC 1240T
液晶显示器尺寸	8.0" 4:3	12.1" 4:3	12.1" 4:3
最大分辨率	SVGA, 800 x 600	XGA, 1024 x 768	SVGA, 800 x 600
亮度 (cd/m2)	400	500	450
对比度	500	700	700
视角 (H-V)	50(U), 70(D), 70(L), 70(R)	80(U), 80(D), 80(L), 80(R)	65(U), 75(D), 80(L), 80(R)
背光	LED	LED	LED
LCD 色彩	262K	16.2M	16.2M
触摸屏	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)
触摸透光度	82%	80%	80%
处理器	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ D2550 Dual Core 1.86GHz	Intel® Atom™ E3826 Dual Core 1.46GHz
芯片组	-	Intel® NM10 Express	-
内存	2GB DDR3L SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3L SO-DIMM module
CFAST 插座	1	1	1
显示输出	VGA	VGA	VGA
PS2 KB/MS	-	1	1
以太网 (10/100/1000)	2	2	2
线路输出	1	1	1
线路输入	-	1	-
麦克风	-	1	-
USB 2.0/3.0	3/1	4/-	2/1
串口	2 x RS232, 422, 485	2 x RS232, 422, 485	Isolation 2 x RS232, 422, 485
并口	1	1	1
远程电源开 / 关	1	-	1
复位按钮	1	1	1
电源插孔	DC 4-pin DIN Power Jack with shield, 90°	Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector
GPIO	-	-	-
数字输入输出	-	-	-
扩展	1 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe
前面板结构	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel
安装	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
输入功率	+12~30VDC	+12~30VDC	+12~30VDC
电源适配器	Optional	Optional	Optional
操作温度	-5°C to 50°C	-5°C to 60°C	-5°C to 60°C
存储温度	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
工作湿度	10% ~ 90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
防尘防水等级	Front Frame IP65	Front Frame IP65	Front Frame IP65
开孔尺寸 (W x H, mm)	209.6 x 167.1	304.5 x 230	304.5 x 230
尺寸 (W x H x D, mm)	217.4 x 176.4 x 68.9	317 x 243 x 65.89	317 x 243 x 65.89
净重 (kg)	2.3	3.9	4
毛重 (kg)	4	6	6






			
APPC 1245T	APPC 1540T	APPC 1740T	APPC 1940T
12.1" 4:3	15" 4:3	17" 4:3	19" 4:3
XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
500	450	350	350
700	800	1000	1000
80(U), 80(D), 80(L), 80(R)	70(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
LED	LED	LED	LED
16.2M	16.2M	16.7M	16.7M
Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)
80%	81%	81%	81%
Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ E3826 Dual Core 1.46GHz
-	-	-	-
2GB DDR3L SO-DIMM module	2GB DDR3L SO-DIMM module	2GB DDR3L SO-DIMM module	2GB DDR3L SO-DIMM module
1	1	1	1
VGA	VGA	VGA	VGA
1	1	1	1
2	2	2	2
1	1	1	1
-	-	-	-
-	-	-	-
2/1	2/1	2/1	2/1
Isolation 2 x RS232,422,485	Isolation 2 x RS232,422,485	Isolation 2 x RS232,422,485	Isolation 2 x RS232,422,485
1	1	1	1
1	1	1	1
1	1	1	1
Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector
-	-	-	-
-	-	-	-
2 x mini-PCle	2 x mini-PCle	2 x mini-PCle	2 x mini-PCle
ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel
Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
+12~30VDC	+12~30VDC	+12to30V DC	+12to30V DC
Optional	Optional	Optional	Optional
-5°C to 60°C	-5°C to 60°C	-5°C to 60°C	-5°C to 50°C
-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
Front Frame IP65	Front Frame IP65	Front Frame IP65	Front Frame IP65
304.5 x 230	371 x 297	399 x 329	436 x 366
317 x 243 x 65.89	384.37 x 309.95 x 63.2	410.4 x 340.4 x 65.9	457.64 x 379.24 x 61.25
4	5.1	6.7	6.7
6	9	8	9







## 应用型触摸显示器

型号				
	APPD 1205T	APPD 1500T	APPD 1700T	APPD 1900T
液晶显示器尺寸	12.1" 4:3	15" 4:3	17" 4:3	19" 4:3
最大分辨率	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
亮度 (cd/m2)	500	450	350	350
对比度	700	800	1000	1000
视角 (H-V)	80(U), 80(D), 80(L), 80(R)	70(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
背光	LED	LED	LED	LED
LCD 色彩	16.2M	16.2M	16.7M	16.7M
触摸屏	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)	Resistive 5-wire (flush panel type)
触摸透光度	80%	81%	81%	81%
触摸屏输入输出	RS232, USB	RS232, USB	RS232, USB	RS232, USB
OSD 功能	OSD Keypad	OSD Keypad	OSD Keypad	OSD Keypad
视频输入	VGA, DVI-D	VGA, DVI-D	VGA, DVI-D	VGA, DVI-D
电源插孔	Terminal Blocks 3-pin phoenix connector	Terminal Blocks 3-pin phoenix connector	Terminal Blocks 3-pin phoenix connector	Terminal Blocks 3-pin phoenix connector
前面板结构	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel
安装	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
输入功率	+12 ~ 24VDC	+12 ~ 24VDC	+12 ~ 24VDC	+12 ~ 24VDC
电源适配器	Optional	Optional	Optional	Optional
操作温度	-5°C to 60°C	-5°C to 60°C	-5°C to 60°C	-5°C to 50°C
存储温度	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
工作湿度	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
防尘防水等级	Front Frame IP65	Front Frame IP65	Front Frame IP65	Front Frame IP65
认证	CE, FCC Class B	CE, FCC Class B	CE, FCC Class B	CE, FCC Class B
开孔尺寸 (W x H, mm)	304.5 x 230	371 x 297	399 x 329	436 x 366mm
尺寸 (W x H x D, mm)	317 x 243 x 53.5	384.37 x 309.95 x 51.2	410.4 x 340.4 x 43.7	457.64 x 379.24 x 49.25
净重 (kg)	2.9	3.98	5.3	5.4
毛重 (kg)	5	7	8	9







			
NPPD 1221T	NPPD 1520T	NPPD 1720T	NPPD 1920T
12.1" 4:3	15" 4:3	17" 4:3	19" 4:3
XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
500	350	350	350
700	800	1000	1000
160(H), 140(V)	160(H), 160(V)	170(H), 160(V)	170(H), 160(V)
LED	LED	LED	LED
16.2M	16.2M	16.7M	16.7M
Resistive 5-wire (Flush panel type)	Resistive 5-wire (Flush panel type)	Resistive 5-wire (Flush panel type)	Resistive 5-wire (Flush panel type)
80%	81%	81%	81%
RS232, USB	RS232, USB	RS232, USB	RS232, USB
OSD Keypad	OSD Keypad	OSD Keypad	OSD Keypad
VGA, DVI-D	VGA, DVI-D	VGA, DVI-D	VGA, DVI-D
Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector	Terminal Blocks 3-pin phoneix connector
ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel	ABS+PC Plastic front bezel
Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm	Panel/Wall/Stand/VESA 100 x 100mm
+12 ~ 24VDC	+12 ~ 24VDC	+12 ~ 24VDC	+12 ~ 24VDC
Optional	Optional	Optional	Optional
0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
Front Frame IP65	Front Frame IP65	Front Frame IP65	Front Frame IP65
CE, FCC Class B	CE, FCC Class B	CE, FCC Class B	CE, FCC Class B
304.5 x 230	371 x 297	399 x 329	436 x 366m
317 x 243 x 53.7	384.37 x 309.95 x 51.4	410.4 x 340.4 x 54.1	457.64 x 379.24 x 49.45
2.9	3.98	5.3	5.4
5	7	8	9

## 机台自动化产品



型号					
	NET 101-ECM	NET 104-ECM	NET 200-ECM	NET 300-ECM	NET 3140P2E-ECM
处理器	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ D2550 1.86GHz	Intel® Celeron® J1900 Quad Core 2.0GHz	Intel® Core™ i5-6500TE Quad Core 2.3GHz	Intel® Core™ 2 Duo P8400
芯片组	Intel® Bay Trail-I	Intel® NM10	Intel® Bay Trail-D	Intel® Q170	Intel® GM45/ICH9M
操作系统	WES 7	WES 7	WES 7	WES 7	WES 7
内存	4GB DDR3L	2GB DDR3	2 x 2GB DDR3L	4GB DDR4	2 x 2GB DDR3
NVRAM	Onboard 1Mb	Optional	Optional	Optional	Optional
硬盘 /SSD	128GB SSD	500GB HDD	500GB HDD	256GB SSD	500GB HDD
CF/CFast	1 (External, CFast)	1 (External, CFast)	-	1 (External, CFast)	1 (External, CF)
SD 卡	-	-	1	-	-
显示	1 x DVI-I	1 x DVI-I 1 x HDMI	1 x DVI-I 1 x DP	1 x DVI-D 1 x HDMI	1 x VGA 1 x DVI-I
USB	1 x USB 2.0 1 x USB 3.0	6 x USB 2.0	3 x USB 2.0 1 x USB 3.0	2 x USB 2.0 4 x USB 3.0	6 x USB 2.0
PS/2	-	-	-	-	1
声音	Line-out	Mic-in & Line-out	Line-out	Mic-in & Line-out	Mic-in & Line-out
串口	2	4	2	2	4
mini-PCle	1	1	2	2	-
网口	2 (1 x EtherNet, 1 x EtherCAT)	2 (1 x EtherNet, 1 x EtherCAT)	2 (1 x EtherNet, 1 x EtherCAT)	3 (2 x EtherNet, 1 x EtherCAT)	2 (1 x EtherNet, 1 x EtherCAT)
SIM 卡槽	1	1 (Internal)	1	1	-
扩展	mini-PCle	-	2 x mini-PCle	2 x mini-PCle	1 x PCI 1 x PCIe x1
GPIO	4-In/4-Out (Internal)	-	4-In/4-Out (Internal)	4-In/4-Out (Internal)	4-In/4-Out (Internal)
数字 I/O	-	-	-	-	-
应用	Distributed Motion Control	Distributed Motion Control	Distributed Motion Control	Distributed Motion Control	Distributed Motion Control
运动类型	EtherCAT	EtherCAT	EtherCAT	EtherCAT	EtherCAT
控制轴数量	up to 64	up to 64	up to 64	up to 64	up to 64
编程语言	VC/C++	VC/C++	VC/C++	VC/C++	VC/C++
输入电压	DC 24V ±20%	DC +10~28V	DC 24V ±20%	DC 24V ±20%	DC +16~30V
工作温度	-20°C to 70°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
尺寸 (W x H x D, mm)	58 x 135.5 x 192.5	185 x 131 x 54	85 x 157 x 214	90 x 185 x 251	195 x 268 x 101
净重 (kg)	2	1.4	2.5	3.7	5

					
NET 3500-ECM	NET 3600E-ECM	MAC 3500-GTS	MAC 3500-GTP	NControl 20/20D	NControl 30/30D
Intel® Core™ i5-520M	Intel® Core™ i5-3610ME	Intel® Core™ i7/i5 socket	Intel® Core™ i7/i5 socket	Intel® Core™ 2 Duo P8400	Intel® Core™ 2 Duo P8400
Intel® QM57	Intel® QM77	Intel® QM57	Intel® QM57	Intel® GM45/ICH9M	Intel® GM45/ICH9M
WES 7	WES 7	Selectable	Selectable	WinCE 6.0 + WES 2009 (20D)	WinCE 6.0 + WES 2009 (30D)
2 x 2GB DDR3	2 x 2GB DDR3L	up to 4GB DDR3	up to 4GB DDR3	2GB DDR3	2GB DDR3
Optional	Optional	Optional	Optional	-	-
500GB HDD	500GB HDD	2 x 2.5" HDD Driver Bay	2 x 2.5" HDD Driver Bay	32GB SSD	32GB SSD
-	1 (External, CFast)	-	-	1 (External, CF)	1 (External, CF)
-	-	-	-	-	-
1 x VGA 1 x DVI-I	1 x VGA 1 x DVI-D 2x DP	1 x VGA 1 x DVI-I	1 x VGA 1 x DVI-I	1 x VGA 1 x DVI-I	1 x VGA 1 x DVI-I
6 x USB 2.0	2 x USB 2.0 4 x USB 3.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
1	-	1	1	1	1
Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
4	6	2	4	4	4
-	1	2	-	-	-
2 (1 x EtherNet, 1 x EtherCAT)	2 (1 x EtherNet, 1 x EtherCAT)	2 x GbE	2 x GbE	2 x GbE	2 x GbE
-	1	-	-	-	-
1 x PCI	1 x PCIe x4	-	-	-	-
4-In/4-Out (Internal)	4-In/4-Out (Internal)	4-In/4-Out (Internal)	4-In/4-Out (Internal)	4-In/4-Out (Internal)	4-In/4-Out (Internal)
-	-	16-In/16-Out on Terminal Board	16-In/16-Out on Terminal Board	4-In/4-Out	4-In/4-Out
Distributed Motion Control	Distributed Motion Control	Centralized Motion Control	Centralized Motion Control	CNC	CNC
EtherCAT	EtherCAT	Pulse/Analog	Pulse	EtherCAT	EtherCAT, MECHATROLINK III
up to 64	up to 64	4	4	up to 10	up to 14
VC/C++	VC/C++	VC/C++	VC/C++	IEC-61131-3	IEC-61131-3
DC +9~30V	DC +9~30V	DC +9~30V	DC +9~30V	DC +16~30V	DC +16~30V
-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
195 x 268 x 80	215 x 272 x 93	195 x 268 x 80	195 x 268 x 80	195 x 268 x 101	195 x 268 x 101
4.7	5.2	4.7	4.7	5	5

## EtherCAT 数字 I/O 模块

型号						
	NEIO-B1101	NEIO-B1102	NEIO-B1201	NEIO-B1202	NEIO-B1811	NEIO-B1812
类型	DI Module (Sink)	DI Module (Sink/Source)	DO Module (Sink)	DO Module (Source)	DI/O Module (Sink)	DI/O Module (Source)
输入数量	32	32	-	-	16	16
输入电压	24 V <sub>DC</sub>	24 V <sub>DC</sub>	-	-	24 V <sub>DC</sub>	24 V <sub>DC</sub>
输入电压 On 状态, “1”	15~30 V <sub>DC</sub> (IEC 61131-2 type 1) 11~30 V <sub>DC</sub> (IEC 61131-2 type 2/3)	9~24 V <sub>DC</sub> (Sink) 0~15 V <sub>DC</sub> (Source)	-	-	15~30 V <sub>DC</sub> (IEC 61131-2 type 1) 11~30 V <sub>DC</sub> (IEC 61131-2 type 2/3)	9~24 V <sub>DC</sub> (Sink) 0~15 V <sub>DC</sub> (Source)
输入电压 Off 状态, “0”	0~5 V <sub>DC</sub> (IEC 61131-2 type 1/2/3)	0~8 V <sub>DC</sub> (Sink) 16~24 V <sub>DC</sub> (Source)	-	-	0~5 V <sub>DC</sub> (IEC 61131-2 type 1/2/3)	0~8 V <sub>DC</sub> (Sink) 16~24 V <sub>DC</sub> (Source)
输入过滤	3 ms	1 ms	-	-	3 ms	1 ms
数字输出	-	-	32	32	16	16
输出电压	-	-	24 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>	24 V <sub>DC</sub>
输出负载类型	-	-	Resistive, Inductive	Resistive, Inductive, Capacitive	Resistive, Inductive	Resistive, Inductive, Capacitive
最大输出电流	-	-	500 mA/ch	500 mA/ch	500 mA/ch	500 mA/ch
转换时间	-	-	Off to On : 100 us On to Off : 150 us	Off to On : 100 us On to Off : 150 us	Off to On : 100 us On to Off : 150 us	Off to On : 100 us On to Off : 150 us
输入电压	24 V <sub>DC</sub> (±20%)	24 V <sub>DC</sub> (±20%)	24 V <sub>DC</sub> (±20%)	24 V <sub>DC</sub> (±20%)	24 V <sub>DC</sub> (±20%)	24 V <sub>DC</sub> (±20%)
工作温度	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C

EtherCAT 串口模块

型号	<div></div>		<div></div>	
	NEIO-B1601		NEIO-B1603	
通道数	2		4	
串口 1	RS 232/422/485		RS 232/422/485	
串口 2	RS 422/485		RS 422/485	
串口 3	-		RS 422/485	
串口 4	-		RS 422/485	
数据位	5, 6, 7, 8		5, 6, 7, 8	
停止位	1, 1.5, 2		1, 1.5, 2	
奇偶校验	None, Odd, Even, Space, Mark		None, Odd, Even, Space, Mark	
波特率	0.3~115.2 kbps		0.3~115.2 kbps	
输入电压	24 V <sub>DC</sub> (±20%)		24 V <sub>DC</sub> (±20%)	
工作温度	0°C to 55°C		0°C to 55°C	

EtherCAT 模拟量 I/O 模块




型号	<div></div>	
	NEIO-B1831	
电压输入路数	6	
电压输入范围	±10 V	
分解系数	16-bit	
电流输入量	2	
电流输入范围	0 ~ 20 mA	
分解系数	16-bit	
模拟量输出	2	
输出范围	0~10V	
分解系数	12-bit	
输入电压	24 V <sub>DC</sub> (±20%)	
工作温度	0°C to 55°C	

EtherCAT 脉冲输出模块







型号	<div></div>	
	AXE-5904	
轴数	4	
脉冲输出率	Up to 8pps	
脉冲指令输出	CW/CCW, OUT/DIR, 4 x AB	
编码器输入类型	Incremental	
编码器精度	32-bit	
编码器输入信号	CW/CCW, AB/Z	
最大输入频率	4MHz	
专用 I/O	LIM/HOME/INP ALM/ARST/SVON	
通用输入	3 Channel Per Axis	
输入电压	24 V <sub>DC</sub> (±10%)	
工作温度	0°C to 50°C	






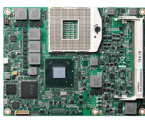


CPS 系列




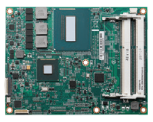


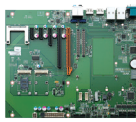
型号			
	CPS 100	CPS 200	NISE 50
类别	Fieldbus Enabled IoT Remote Gateway	Fieldbus Enabled IoT Edge Gateway	General Purpose IoT Gateway
本地设备的通信协议	PROFINET-RT, PROFIBUS-DP, EtherNet/IP (Slave), Modbus/TCP, Modbus/RTU (Master), OPC-UA Client	PROFINET-RT, PROFIBUS-DP, EtherNet/IP (Slave), Modbus/TCP, Modbus/RTU (Master), OPC-UA Client	Modbus/TCP, Modbus/RTU (Master)
云 / 服务器的通信	MQTT, SQLite, Https	MQTT, SQLite, Https	MQTT, SQLite, Https
无线通信接口可选	Wi-Fi, 3G, 4G/LTE	Wi-Fi, 3G, 4G/LTE	Wi-Fi, 3G, 4G/LTE
网口数量	2	2	2
网口类型	RJ45	RJ45	RJ45
串口	1 x RS-232/422/485	2 x RS-232/422/485	2 x RS-232 1 x RS-422/485
USB	1 x USB 3.0 1 x USB 2.0	1 x USB 3.0 3 x USB 2.0	4 x USB 2.0
显示	-	1 x DVI-I, 1 x DP	1 x HDMI
安装方式	Wall/DIN Rail	Wall/DIN Rail	Wall
工作温度	-20°C ~ +65°C	0°C ~ +50°C	-5°C ~ +55°C
尺寸 (mm)	63 x 100 x 151	85 x 157 x 214	162 x 126 x 150
直流输入	24VDC ±20%	24VDC ±20%	24VDC ±20%
认证	CE, FCC	CE, FCC	CE, FCC
存储	16G eMMC	128G SSD	16G eMMC (Optional mSATA)

IWSN 网关





型号						
	NIO 200IDR	NIO 200IDG	NIO 200IAG	NIO 200HAG	NIO 50	NIO 51
Wi-Fi 接口	IEEE802.11an	IEEE802.11an	IEEE802.11an	IEEE802.11an	IEEE802.11b/g/n	IEEE802.11a/b/g/n
Wi-Fi 端口数量	2	2	2	2	1	1
串口类型	N/A	N/A	N/A	N/A	RS 232/422/485	RS 232/422/485
以太网速度 (Mbps)	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100	10/100
网关协议	GSAP, Modbus TCP	GSAP, Modbus TCP	GSAP, Modbus TCP	HART-IP, Modbus TCP	Modbus RTU/ TCP/ASCII/MQTT	Modbus RTU/ TCP/ASCII/MQTT
Wi-Fi 操作模式	Mesh/AP	Mesh/AP	Mesh/AP	Mesh/AP	Client	Mesh/Client router
射频连接器类型	N-type	N-type	N-type	N-type	RP-SMA	RP-SMA
PoE 类型	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	N/A	IEEE802.3at
直流输入范围	12~48 V	12~48 V	12~48 V	12~48 V	9~36 V	12~48 V
EMC 等级 -4	Yes	Yes	Yes	Yes	No	Yes
网络管理	Web-GUI, nCare	Web-GUI, nCare	Web-GUI, nCare	Web-GUI, nCare	Web-GUI, nCare	Web-GUI, nCare
安装	Wall/Pole	Wall/Pole	Wall/Pole	Wall/Pole	Wall/DIN	Wall/DIN
工作温度	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C	-20°C to +70°C	-40°C to +75°C
防护等级	IP67	IP67	IP67	IP67	IP30	IP30
EMC 法则	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE	FCC/CE
安全	UL 60950-1; 60950-22	UL 60950-1; 60950-22	UL 60950-1; 60950-22	UL 60950-1; 60950-22	N/A	N/A
安全	UL: Class I, Division 2, Groups A, B, C, D ATEX: Class I, Zone 2; Ex nA II, T5	UL: Class I, Division 2, Groups A, B, C, D ATEX: Class I, Zone 2; Ex nA II, T5	UL: Class I, Division 2, Groups A, B, C, D ATEX: Class I, Zone 2; Ex nA II, T5	UL: Class I, Division 2, Groups A, B, C, D ATEX: Class I, Zone 2; Ex nA II, T5	N/A	N/A



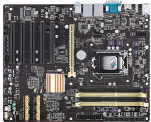



## 计算机核心模块

型号						
	ICES 254	ICES 267	ICES 267S	ICES 268	ICES 501X	ICES 620X
形状规格	COM Express	COM Express	COM Express	COM Express	COM Express	COM Express
尺寸 (mm)	95 x 95	125 x 95	125 x 95	125 x 95	84 x 55	95 x 95
引脚类型	Type 2	Type 2	Type 2	Type 2	Type 10	Type 6
处理器	Intel® Atom™	2nd Gen. Intel® Core™ i7/i5/i3 processor	2nd Gen. Intel® Core™ i7/i5/i3 processor	3rd Gen. Intel® Core™ i7/i5/i3 processor, Celeron® Mobile	Intel® Atom™	Intel® Atom™
处理器速度 / 核心 / 缓存 / TDP	D2550/1.86GHz 2C/1MB/10W	i5-2510E/2 x 2.5GHz i3-2330E/2 x 2.2GHz Celeron® B810/ 2 x 1.6G	i7-2715QE/4 x 2.1GHz i7-2610UE/2 x 1.5GHz i5-2515E/2 x 2.5GHz Celeron B810E/ 2 x 1.6GHz Celeron® 847E/ 2 x 1.1GHz	i7-3610QE/4 x 2.3GHz i5-3610ME/2 x 2.7GHz Celeron® B810/ 2 x 1.6G	E3845/4 x 1.91GHz E3826/2 x 1.46GHz	E3826/2 x 1.46GHz E3845/4 x 1.91GHz
芯片组	ICH10R	QM67	QM67	QM77/HM76	E3845/E3826	E3826/E3845
内存类型	DDR3/SO-DIMM	DDR3/SO-DIMM	DDR3/SO-DIMM	DDR3/SO-DIMM	4GB DDR3( 2 x SO-DIMM)	ECC-DDR3/SO-DIMM
SO-DIMM	1	1	1	2	-	1
最大容量 / 速度	4GB, 800/ 1066MHz	8GB, 1066/1333MHz	8GB, 1066/1333MHz	16GB, 1333/1600MHz	DDR3L Memory down Up to 4GB 1333/1600MHZ	8GB, 1333/1600MHz
VGA	up to 1920 x 1200 (N2800/1920 x 1080)	up to 2048 x 1536	up to 2048 x 1536	up to 2048 x 1536	-	up to 2048 x 1536
LVDS	1 x ch. 18-/24-bit LVDS (1440x900/1366x768)	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	1 x ch. 18/24Bit LVDS (Up to 1366 x 768)	-
数字显示 I/F	Option EBK-A2HDMI	-	PEG/SDVO	Option 1 x DDI#1 (B)	0/1	3 x DDI (DP/HDMI/DVI)
SDVO	Option PEG/SDVO	-	by EBK-A2HDMI	Option EBK-A2HDMI	-	Only DDI#1 (B)
网卡	Intel® 82574L/GbE	Intel® 82579LM/GbE	Intel® 82579LM/GbE	Intel® 82579LM/GbE	1 x Intel® I210IT/GbE	Intel® I210IT/GbE
ISA	-	-	-	-	-	-
PCI	4	4	4	4	-	2
PCI 扩展槽	5 x PCIe x1	5 x PCIe x1	5 x PCIe x1	5 x PCIe x1	3 x PCIe x1	4 x PCIe x1
PCIe x 16	Option PEG/SVDO	1 x PCIe x16	-	1 x PCIe x16 (Gen3.0)	-	-
USB 2.0/3.0	8/0	8/0	8/0	8/0	2	7/0
IDE/CF	1 or 1	1 or 1	1 or 1	1/1	2	-
SATA 2.0/3.0	4/0	1 or 1	1 or 1	4/0	7/1	2/0
mini-SATA	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	-	SATA2.0/ICEB 8050C
CFAST	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	-	SATA2.0/ICEB 8050C
硬件监控	W83792G	NCT 7802Y	NCT 7802Y	NCT 7802Y	Yes	NCT 7802Y
I/O 载板	LPC to ICEB 8050C	LPC to ICEB 8050C	LPC to ICEB 8050C	LPC to ICEB 8050C	-	LPC to ICEB 8050C
LPC	1	1	1	1	1	1
SM/I2C	1 or 1	1 or 1	1 or 1	1 or 1	1	1 or 1
串口	2 x COM/ICEB 8050C	2 x COM/ICEB 8050C	2 x COM/ICEB 8050C	2 x COM/ICEB 8050C	2	2 x COM/ICEB 8050C
SPI	1	1	1	1	1	1
声音	SPDIF/ICEB 8050C	SPDIF/ICEB 8050C	SPDIF/ICEB 8050C	SPDIF/ICEB 8050C	SPDIF/ICEB 8060	SPDIF/ICEB 8050C
LTP/FFD	-	-	-	-	-	-
电源要求	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	12V	+12V, +5Vsb, +3.3V (RTC)
电源模式	AT/ATX	AT/ATX	AT/ATX	AT/ATX	AT/ATX	AT/ATX
操作温度	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-40°C to 85°C	-40°C to 85°C
保形涂料	by requested	by requested	by requested	by requested	By requested	by requested


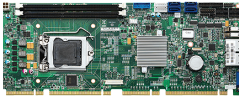


						
ICES 621	ICES 667	ICES 668	ICES 670	ICES 671	ICES 673	ICEB 8060
COM Express	COM Express	COM Express	COM Express	COM Express	COM Express	COM Express
95 x 95	125 x 95	125 x 95	125 x 95	95 x 95	95 x 95	305 x 244
Type 6	Type 6	Type 6	Type 6	Type 6	Type 6	Type 6
BGA type on board	3rd Gen. Intel® Core™ i7/i5/i3 processor, Celeron® Mobile	3rd Gen. Intel® Core™ i7/i5/i3 processor	4th Gen. Intel® Core™ i7/i5/i3 processor, Celeron® Mobile	4th Gen. Intel® Core™ i7/i5/i3 processor	BGA type on board	-
Braswell N3160/N3060	i7-3610QE/4 x 2.3GHz i5-3610ME/2 x 2.7GHz Celeron® B810/ 2 x 1.6G	i7-3615QE/4 x 2.3GHz i7-3555LE/2 x 2.5GHz i7-3517UE/2 x 1.7GHz i5-3610ME/2 x 2.7GHz i3-3217UE/2 x 1.6GHz	i5-4400E/2 x 2.7 GHz	i7-4650U/2 x 1.7GHz i5-4300U/2 x 1.9GHz i3-4010U/2 x 1.7GHz Celeron® 2980U/ 2 x 1.6GHz	i7-6600U/ i7-6500U/ i5-6300U/ i5-6200U/ i3-6100U, 4450U	-
-	QM77/HM76	QM77	QM87	-	-	-
DDR3L/SO-DIMM	DDR3/SO-DIMM	ECC-DDR3/SO-DIMM	ECC-DDR3/SO-DIMM	DDR3/SO-DIMM	16G DDR4	-
Dual Channels	2	2	2	2	Dual Channels	-
8GB, 1600MHz	16GB, 1333/1600MHz	16GB, 1333/1600MHz	16GB, 1333/1600MHz	16GB, 1333/1600MHz	DDR4 up to 32GB	-
up to 2048 x 1536	up to 2048 x 1536	up to 2048 x 1536	up to 2048 x 1536	up to 2048 x 1536	-	D-SUB
-	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	2 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	1 x ch. 18-/24-bit LVDS (up to 1920 x 1200)	-	2 x DF13-20P
3 x DDI (DP/HDMI/VGA)	3 x DDI (DP/HDMI/DVI)	3 x DDI (DP/HDMI/DVI)	3 x DDI (DP/HDMI/DVI)	3 x DDI (DP/HDMI/DVI)	3 x DDI (HDMI/DP/DVI)	2 x DP/HDMI
-	Only DDI#1 (B)	Only DDI#1 (B)	Only DDI#1 (B)	Only DDI#1 (B)	-	Option EBK-A2HDMI
Intel® i210/GbE	Intel® 82579LM/GbE	Intel® 82579LM/GbE	Intel® I217/GbE	-	Intel® i219LM	2 x GbE/2 x RJ45
-	-	-	-	-	-	-
-	-	-	-	-	-	-
4 x PCIe1	7 x PCIe1	7 x PCIe1	7 x PCIe1	4 x PCIe1	5 x PCIe x1	7 x PCIe1
-	1 x PCIe x16 (Gen3.0)	1 x PCIe x16 (Gen3.0)	1 x PCIe x16 (Gen3.0)	-	-	1 x PCIe x16 (Gen3.0)
8/4	8/4	8/4	8/4	8/2	8/4	8/4
-	-	-	-	-	-	-
0/2	2/2	2/2	0/4	0/4	0/3	2/2
-	SATA2.0/ICEB 8060	SATA2.0/ICEB 8060	SATA2.0/ICEB 8060	SATA2.0/ICEB 8060	-	1
-	SATA2.0/ICEB 8060	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	SATA2.0/ICEB 8050C	-	1
-	NCT 7802Y	NCT 7802Y	NCT 7802Y	NCT 7802Y	Yes	-
ITE8528	LPC to ICEB 8060	F81216	LPC to ICEB 8060	LPC to ICEB 8060	LPC to ICEB8060	ITE8783
1	1	1	1	1	1	1
1 or 1	1 or 1	1 or 1	1 or 1	1 or 1	1	1 or 1
2 x COM	6 x COM/ICEB 8060	Optional 2 x COM + 6 x COM/ICEB 8060	Optional 2 x COM + 6 x COM/ICEB 8060	Optional 2 x COM + 6 x COM/ICEB 8060	Optional 2 x COM	6 x COM (incl. 1 x RS232/422/485)
1	1	1	1	1	1	1
HD Audio, SPDIF	SPDIF/ICEB 8060	SPDIF/ICEB 8060	SPDIF/ICEB 8060	SPDIF/ICEB 8060	HD Audio	HD Audio, SPDIF
-	-	-	-	-	-	-
ATX	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	+12V, +5Vsb, +3.3V (RTC)	ATX
AT/ATX	AT/ATX	AT/ATX	AT/ATX	AT/ATX	AT/ATX	AT/ATX
-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C	-15°C to 60°C
By requested	by requested	by requested	by requested	by requested	By requested.	by requested

## 嵌入式系列

型号				
	EBC 355	EBC 356	NEX 614	NEX 650
形状规格	3.5"	3.5"	mini-ITX	mini-ITX
PCB 尺寸	146 x 102	146 x 102	170 x 170	170 x 170
处理器	Intel® Atom™ processor E3800 family (SoC)	Intel® Pentium®/Celeron® processor N3000 family	6th Gen. Intel® Core™ LGA1151 processor family	Intel® Celeron® processor J1900
处理器速度 / 核心 / 缓存 / TDP	E3826/2 x 1.46GHz/7W E3845/4 x 1.91GHz/10W	N3160/4 x 1.6GHz/6W N3700/4 x 1.6GHz/6W	i7-6700/4 x 3.4GHz/65W i5-6500/4 x 3.2GHz/65W i3-6100/2 x 3.7GHz/65W	4 x 2 GHz/10W
芯片组	SoC	SoC	Intel® H110 PCH/6W	SoC
最大内存	1 x DDR3L SO-DIMM 4GB Max	2 x DDR3L SO-DIMM 8GB Max	32GB DDR4 (2 x SO-DIMM)	2 x DDR3L SO-DIMM 8GB Max
图形引擎	Intel® Bay Trail Series Integrated Graphics, Gen7	Intel® Integrated Graphics, Gen8 (Braswell)	Intel® Integrated Graphics (Skylake)	Intel® Gen7 Intel® Graphics DX 11, OGL3.2
VGA 接口	Yes	-	Yes	Yes
LCD 接口 (LVDS LCD)	Dual Channel 18/24-Bit LVDS	-	Dual channel 18/24-Bit LVDS	Dual channel 18/24-Bit LVDS
DVI/DP/HDMI	0/0/1	0/0/3	0/1/1	0/0/1
以太网 (10/100/1000)	2 x Intel® I210 IT	1 x Intel® I210	1 x Intel® I219LM PHY 1 x Intel® I211-AT	2 x Realtek RTL8111G-CG
局域网唤醒	Yes	Yes	Yes	Yes
声音	Realtek ALC886 CODEC	Realtek ALC886 CODEC	Realtek ALC886 CODEC	Realtek ALC886 CODEC
mini-PCIe	2	-	1 (Shared with mSATA)	2
SATA 2.0/3.0	2 x SATA 2.0	2 x SATA 3.0	3 x SATA 3.0	2 x SATA 2.0
USB 2.0/3.0	4 x USB 2.0	4 x USB 3.0	4 x USB 3.0 5 x USB 2.0	4 x USB 3.0 6 x USB 2.0
串口	4	2	4	5
RS422/485 支持	Yes	No	Yes	Yes
并口	No	No	No	Yes
电源输入 / 输出	AT/ATX mode	AT/ATX mode 12-24V DC-in (4-pin ATX PWR Con)	AT/ATX mode 12-24V DC-in (4-pin ATX PWR Con)	AT/ATX mode 12-24V DC-in (4-pin ATX PWR Con)
操作温度	-20°C to 60°C	-20°C to 60°C	0°C to 60°C	0°C to 60°C
5Vsb 输入	No	Yes	Yes	No
扩展	2 x mini-PCI Express	1 x M. 2 (Key B)	1 x PCIe x16 1 x mini-PCIe	1 x mini-PCIe (F/S) 1 x mini-PCIe (H/S) 1 x PCIe x1

					
NEX 885	NEX 810	NEX 910	NEX 912	EBC 355X	EBC 357X
microATX	microATX	ATX	ATX	3.5"	3.5"
244 x 244	244 x 244	305 x 244	305 x 244	146 x 102	146 x 102
4th Gen. Intel® Core™ LGA1150 processor family	3rd/2nd Gen. Intel® Core™ LGA1155 processor family	4th Gen. Intel® Core™ LGA1150 processor family	6th Gen. Intel® Core™ LGA1151 processor family	Intel® Atom™ processor E3800 family (SoC)	Intel® Atom™ processor E3900 family (SoC)
i7-4770S/ 4 x 3.1GHz/65W i5-4570S/ 4 x 2.9GHz/65W i3-4330TE/ 2 x 2.4 GHz/35W	i7-3770/ 4 x 3.4GHz/77W i5-3550S/ 4 x 3.0GHz/65W i3-3220/ 2 x 3.3GHz/65W	i7-4770S/ 4 x 3.1GHz/65W i5-4570S/ 4 x 2.9GHz/65W i3-4330TE/ 2 x 2.4 GHz/35W	i7-6700/ 4 x 3.4GHz/65W i5-6500/ 4 x 3.2GHz/65W i3-6100/ 2 x 3.7GHz/65W	E3845/ 4 x 1.91GHz/10W	E3950/ 4 x 2.0GHz/12W E3930/ 2 x 1.8GHz/6.5W
Intel® Q87 PCH/4.1W	Intel® B75 PCH/6.7W	Intel® Q87 PCH/4.1W	Intel® Q170 PCH/6W	SoC	SoC
32GB DDR3 (4 x non-ECC)	32GB DDR3 (4 x non-ECC)	32GB DDR3 (4 x non-ECC)	64GB DDR4 (4 x non-ECC)	1 x DDR3L SO-DIMM 4GB Max	2 x DDR3L SO-DIMM 16GB Max
Intel® HD Graphics 4600	Intel® HD Graphics 4000	Intel® HD Graphics 4600	Intel® Integrated Graphics (Skylake)	Intel® Integrated Graphics, Gen7 (Bay Trail)	Intel® Integrated Graphics (Apollo Lake)
Yes	Yes	Yes	Yes	Yes	Yes
-	-	-	-	Dual channel 18/24-Bit LVDS	Dual channel 18/24-Bit LVDS
0/1/2	0/0/3	1/0/2	0/0/2	0/0/1	0/0/1
1 x Intel® I217LM PHY 1 x Intel® I211	2 x Realtek RTL8111F	1 x Intel® I217LM PHY 1 x Intel® I210AT	1 x Intel® I219LM PHY 1 x Intel® I211AT	2 x Intel® I210 IT	2 x Intel® I210-IT
Yes	Yes	Yes	Yes	Yes	Yes
Realtek ALC886 CODEC	Realtek ALC887 CODEC	Realtek ALC887 CODEC	Realtek ALC887 CODEC	Realtek ALC886 CODEC	Realtek ALC886 CODEC
-	-	-	-	2	1 (Shared with mSATA)
6 x SATA 3.0	4 x SATA 2.0/ 1 x SATA 3.0	6 x SATA 3.0	4 x SATA 3.0	2 x SATA 2.0	2 x SATA 3.0
3 x USB 3.0 7 x USB 2.0	4 x USB 3.0 6 x USB 2.0	4 x USB 3.0 10 x USB 2.0	10 x USB 3.0 4 x USB 2.0	4 x USB 2.0	4 x USB 3.0
4	5	6	6	4	4
Yes	Yes	Yes	Yes	Yes	Yes
No	Yes	Yes	No	No	No
AT/ATX mode 12V DC-in	ATX	ATX	ATX	AT/ATX mode	AT/ATX mode
-15°C to 60°C	0°C to 60°C	0°C to 60°C	0°C to 60°C	-40°C to 85°C	-40°C to 85°C
No	No	No	No	No	Yes
1 x PCIe x16 1 x PCIe x4 2 x PCIe x1	1 x PCIe x16 (Gen.3.0/Ivy) 1 x PCIe x4 2 x PCI	1 x PCIe x16 (Gen.3.0) 1 x PCIe x4 5 x PCI	1 x PCIe x16 (Gen.3.0) 2 x PCIe x4 4 x PCI	2 x mini-PCI Express	1 x mini-PCI Express 1 x M. 2 (Key B)

## PICMG单板计算机

型号				
	PEAK 886VL2	PEAK 887VL2	PEAK 888VL2	PEAK 889VL2
形状规格	Full-Size PICMG 1.3	Full-Size PICMG 1.3	Full-Size PICMG 1.3	Full-Size PICMG 1.3
处理器类型	Intel® LGA1155, Intel® Core™ i7/i5/i3	Intel® LGA1155, Intel® Core™ i7/i5/i3	Intel® LGA1155, Intel® Core™ i7/i5/i3	Intel® LGA1151, Intel® Core™ i7/i5/i3
芯片组	Intel® Q77	Intel® Q87	Intel® Q170	Intel® Q370/H310
PCIe	One x16 Four x1	One x16 Four x1	One x16 Four x1	One x16 Four x1
x 16 PCIe 规格	x16	x16	One x16 Two x8 One x8 and Two x4	One x16 Two x8 One x8 and Two x4
PCI	4	4	4	4
最大内存	Dual DDR3/DIMMs, support 1333/1600MHz non-ECC system memory up to 16GB	Dual channel (non-ECC) DDR3 & DDR3L 1066/1333/1600 16GB 2 x 240 pin (DIMM)	Dual channel (non-ECC) DDR4 1866/2133 32GB 2 x 288 pin (DIMM)	Dual channel (non-ECC) DDR4 1866/2133 32GB 2 x 288 pin (DIMM)
图形引擎	Intel® HD Graphics with DX11	Intel® HD Graphics	Intel® HD Graphics 530	Intel® HD Graphics 530
显示	VGA and DVI/HDMI/Display	VGA/HDMI/DVI	VGA/HDMI/DVI/DP	DVI-I/DVI-D/DP
以太网 (10/100/1000)	Intel® 82579LM Gigabit Ethernet Intel® 82574L Gigabit Ethernet	1 x Intel® I217LM GbE PHY 1 x Intel® I211 Gigabit Ethernet	1 x Intel® WGI219LM GbE PHY 1 x Intel® I211 Gigabit Ethernet	1 x Intel® WGI219LM GbE PHY 1 x Intel® I211 Gigabit Ethernet
SATA	6	-	5	5
RAID 模式	0,1,5,10	0,1,5,10	0,1,5,10	0,1,5,10
M.2 类型	-	-	PCIe x4 and SATA Interface	PCIe x4 and SATA Interface
USB 3.0	2	4 (2 x Box Header)	4 (2 x Box Header)	4 (2 x Box Header)
USB 2.0	6 (2 x Box Header, 4 x Through BP)	6 (2 x Box Header, 4 x Through BP)	7 (2 x Box Header, 4 x Through BP, 1 x USB TYPE A)	7 (2 x Box Header, 4 x Through BP, 1 x USB TYPE A)
串口	4	3	3	4
RS232/422/485	1	1	1	1
并口	1	1	1	1
PS2	1	1	1	-
TPM 支持	Yes	Yes	Yes	Yes