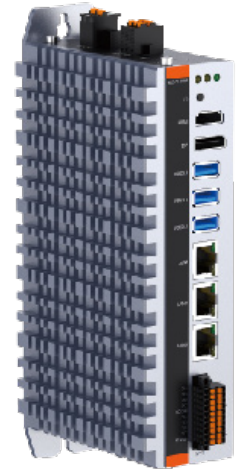


NP-6116-IO-J6412

- Low power consumption, small size, fanless

■ Features

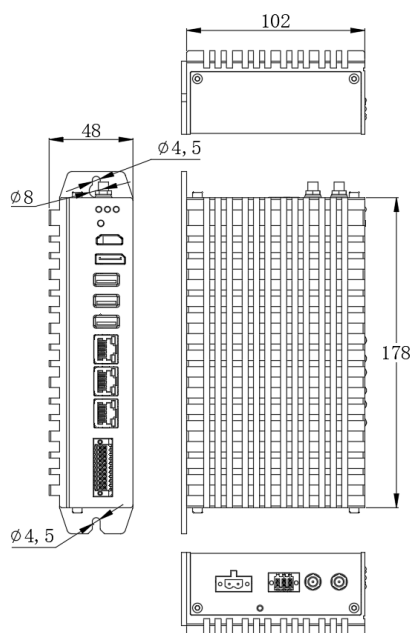
- 3 x LAN ports
- 3x USB3.1
- 1 x RS232, 1 x RS485
- 1 x miniPCIe expansion slot
- 8 x DI, 8 x DO
- Support both DP and HDMI display port
- DC12~24V Wide-voltage power supply with overcurrent, overvoltage and polarity inverse protection
- Opt support wall-mounted or DIN-Rail fixing style
- Wide operating temperature -20 ~ 60°C supported



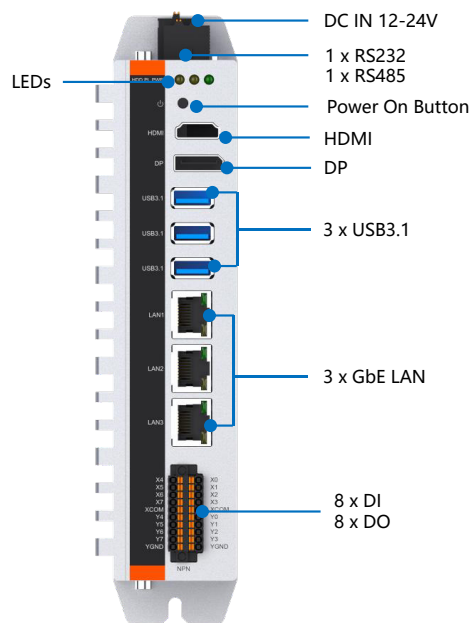
■ Specifications

Product Name		NP-6116-IO-N-J6412	NP-6116-IO-P-J6412	
System	CPU	Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache		
	TDP	10W		
	BIOS	AMI UEFI 256Mb		
	Memory	1 x SO-DIMM DDR4-3200MHz (up to 32 GB)		
	Storage	1 x M.2 2242		
	USB	3 x USB3.1		
	COM	1 x RS232, 1 x RS485		
	Ethernet	3 x Intel GbE LAN controller		
	DP	Support up to 4096 x 2160 @60Hz		
	HDMI	Support up to 3840 x 2160 @60Hz		
	Expansions	1 x Full-size PCIe Mini slot with SIM card holder		
	LED	1 x LED		
	DIO	8 x DI, 8 x DO(NPN)	8 x DI, 8 x DO(PNP)	
	Watchdog	1~255 level programmable		
OS Support	Microsoft Windows	Windows 10		
	Linux	Ubuntu		
Power	Voltage input	DC12~24V ±10%, over-current, over-voltage and polarity inverse protection.		
	Power Consumption	Max. 60W		
Chassis	Structure	fanless embedded to assist cooling, Wall-mounted or DIN-Rail fixing style		
	Dimension	(L)178mm x (W)102mm x (H)48mm		
	Net Weight	1.15Kg		
Environment	Work Temperature	-20°C ~ 60°C		
	Storage Temperature	-40°C ~ 80°C		
	Relative Humidity	5~95% (Non-condensing)		
	Operating Vibration	5~500Hz, 1.5Grms@with SSD, Follow IEC60068-2-64		
	Operating Shock	20G peak acceleration(11ms duration) with SSD, Follow IEC60068-2-27		
EMC	CE/FCC Class B			

■ Dimensions (Unit:mm)



■ Interfaces



■ Ordering Information

Material No.	Product Name	Description
B73.61160.11.0002	NP-6116-IO-N-J6412	CPU:J6412, Memory:NULL, M.2 SATA:NULL, 1 x RS232, 1 x RS485, 3 x LAN,3 x USB3.1, 8 x DI, 8 x DO(NPN), HDMI/DP display, DC12-24V power input
B73.61160.12.0002	NP-6116-IO-P-J6412	CPU:J6412, Memory:NULL, M.2 SATA:NULL, 1 x RS232, 1 x RS485, 3 x LAN,3 x USB3.1, 8 x DI, 8 x DO(PNP), HDMI/DP display, DC12-24V power input

■ Optional Items

Replacement	Description
DDR3 Memory	DDR3L-1333MHz: 4GB, 8GB
M.2 SATA SSD	128GB, 256GB, 512GB, 1TB, 2TB
Wifi Kit	miniPCIE WIFI Kit(7260 Series) , Cylindrical Antenna
3G/4G Module	mini PCIE, EC20, EG25, EC25
Installation	DIN-Rail/Wall-mounted

Note: If some optional parts are offered with the system, additional system certificates may be required in certain regions/countries. Please contact NODKA for certificate compliance.