

NP-6116

■ Automated Production Controller Platform

■ Features

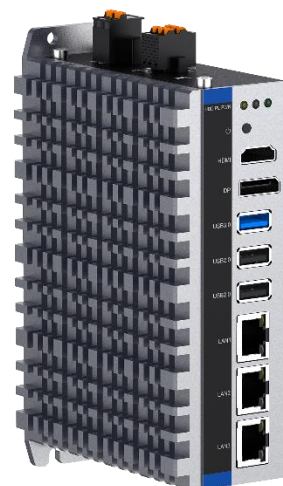
- 3 x GbE LAN controller
- 3 x USB
- 1 x RS232, 1 x RS485
- 1 x Programmable LED
- Support both DP and HDMI display port
- 1 x miniPCIE expansion slot, Support wifi, 3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style

■ Specifications

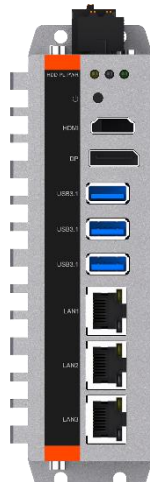
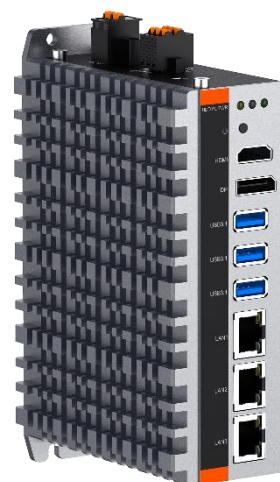
Model Name		NP-6116-J1900	NP-6116-J6412	NP-6116-J6413
System	CPU	Intel® Celeron J1900, 2.0GHz, 4 cores/4 threads, 2MB L2 cache	Intel® Celeron® J6412,2.0GHz, 4Cores/4threads,1.5MB L2 cache	Intel® Celeron J6413, 1.8GHz, 4 cores/4 threads, 1.5MB L2 cache
	TDP	10W		
	BIOS	AMI UEFI BIOS		
	Memory	1 x SO-DIMM DDR3L-1600MT/s (max up to 8GB)	1 x SO-DIMM DDR4-3200MT/s (max up to 16GB)	
	Storage	1 x M.2 2242 slot, SATA3.0		
	USB	1 x USB3.0, 2 x USB2.0	3 x USB3. 1	
	COM	1 x RS232, (COM1), maximum baud rate:115.2kbit/s		
		1 x RS485, (COM2), maximum baud rate:115.2kbit/s		
	Ethernet	2 x RTL8111H GbE LAN controller (LAN1/2)	3 x Intel i210-AT GbE LAN controller	
		1 x Intel i210-AT GbE LAN controller (LAN3)		
	DP	Support up to 2560 x 1600 @60Hz	Support up to 4096 x 2160 @60Hz	
	HDMI	Support up to 1920 x 1080 @60Hz	Support up to 3840 x 2160 @30Hz	
	LED	1 x programmable LED (Red or Green)		
	Expansion	1 x Full-size PCIe mini slot with a SIM card holder		
	Watch Dog	1~255 levels programmable		
	TPM	fTPM		
OS	Microsoft Windows	Windows 7 , Windows10	Windows 10 , Windows11	
	Linux	Ubuntu, Debian, CentOS		
Power	Voltage Input	DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection		
	Power Consumption	Max.60W		
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail		
	Dimensions	(L)138mm x (W)102mm x (H)48mm		
	Net Weight	1.06Kg		
Environment	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
	Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)		
	Relative Humidity	95%@40°C (Non-condensing)		
	Operating Vibration	5~500Hz, 3Grms@with SSD and Wall-mounted, Follow IEC60068-2-64		
	Operating Shock	30G peak acceleration(11ms duration) with SSD and Wall-mounted, Follow IEC60068-2-27		
	EMC	CE EMC, Follow EN 55032, EN55035, EN IEC 61000-3-2, EN 61000-3-3, EN IEC 61000-6-2, EN IEC 61000-6-4, FCC Class B		
	Safety	Follow EN IEC 62368-1		

■ Appearance

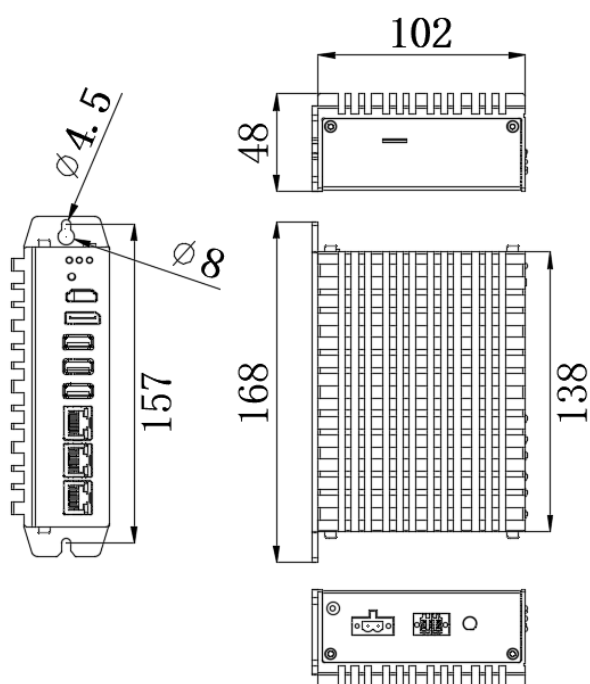
■ J1900



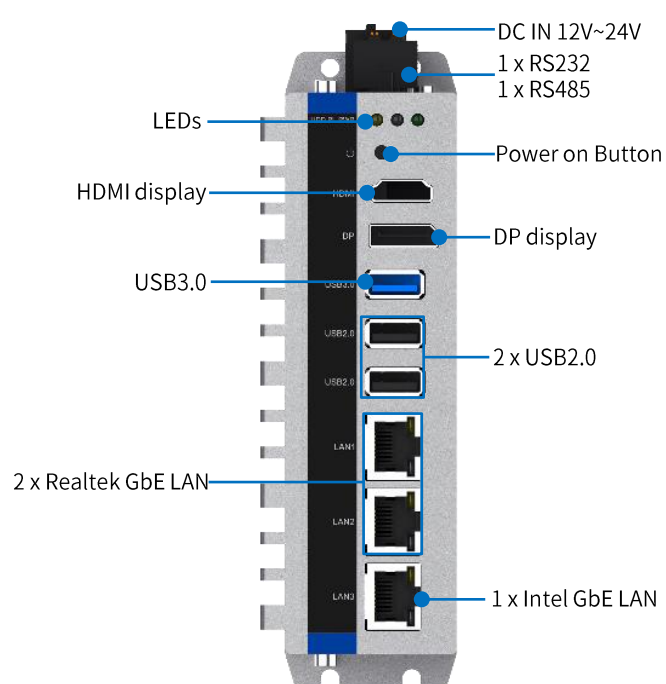
■ J6412/J6413



■ Dimensions (Unit: mm)

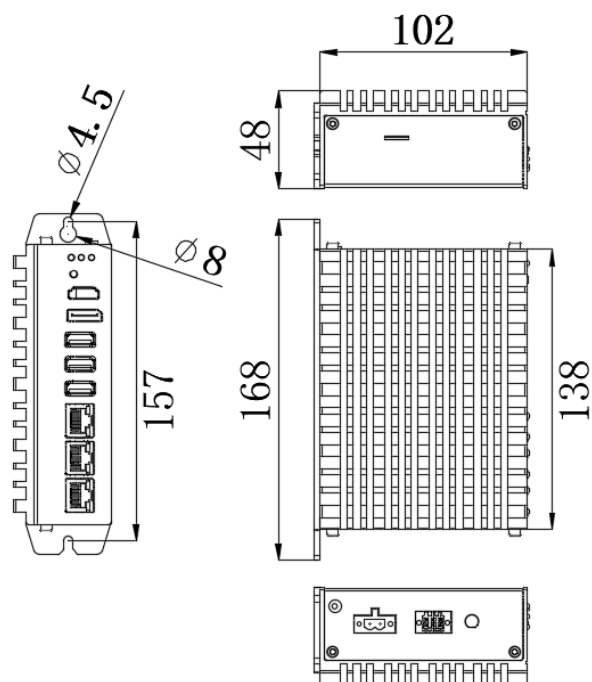


■ Interfaces:

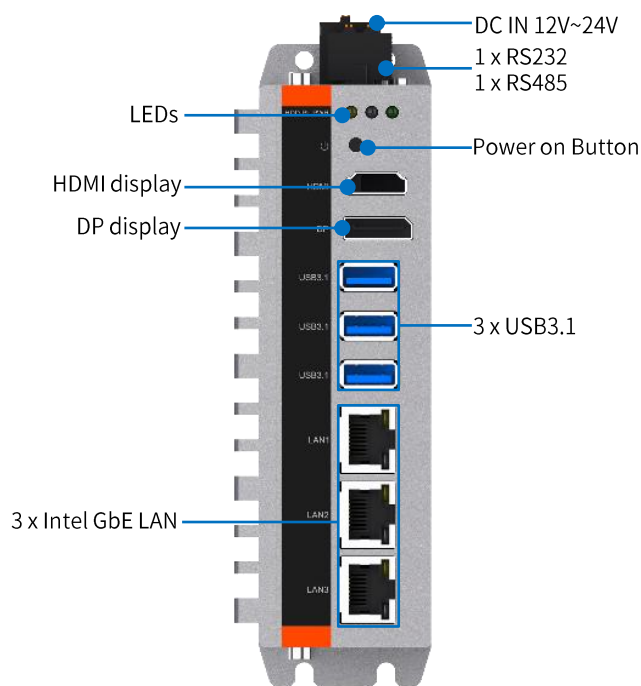


Note: If some optional parts are offered with the system, additional system certificates may be required in certain regions/countries. Please contact NODKA for certificate compliance.

■ Dimensions (Unit: mm)



■ Interfaces:



■ Ordering Information

Part No.	Product	Description
B73.61160.00.0001	NP-6116-J1900	CPU: J1900, RAM: NULL, M.2: NULL, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0, HDMI/DP display ports, 12-24V Power input
B73.61160.00.0004	NP-6116-J6412	CPU: J6412, RAM: NULL, M.2: NULL, 1 x RS232, 1 x RS485, 3 x LAN, 3 x USB3.1, HDMI/DP display ports, 12-24V Power input
B73.61160.00.0021	NP-6116-J6413	CPU: J6413, RAM: NULL, M.2: NULL, 1 x RS232, 1 x RS485, 3 x LAN, 3 x USB3.1, HDMI/DP display ports, 12-24V Power input

■ Options

Parts	NP-6116-J1900	NP-6116-J6412/6413
Memory	DDR3L-1600MHz: 4GB, 8GB	DDR4-3200MT/s: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB	
Wifi Set	mini PCIE: WIFI Set, Cylindrical antenna	
3G/4G Module	mini PCIE: EC20, EG25, EC25	
Mount Option	DIN-Rail	

■ Parts information

Name	Part No.	Specification
2pin power supply terminal	JF7.000041.00.D03	5.08mm 1*2pin, wiring terminal
6pin IO-terminal	JF7.000111.00.K01	3.5mm 2*3 6pin, wiring terminal
DIN-Rail	C78.400002.00.NDJ	Din-Rail bracket, DIN Rail that complies with IEC 60715 (width:35mm, thickness:1mm)
Wall-mounted	L22.000433.00.NKC	Hanging board
WIFI Set Intel AX210	F06.000014.00.NDJ	miniPCIE, Wifi6, External 2.4G/5G rubber antenna (single piece)
WIFI Set Intel CDW-21821CE-00	F06.000355.00.NDJ	miniPCIE, Wifi5, External 2.4G/5G rubber antenna (single piece)
4G Module EC20	F06.000031.00.NDJ	miniPCIE, China 7-mode universal network (Full Netcom) with external rubber antenna (single piece)
4G Module EC20	F06.000034.00.NDJ	miniPCIE, China 7-mode universal network (Full Netcom) with external 3m magnetic mount antenna