NP-6140

- Motion Control Platform
- Automated Production Controller Platform

Features

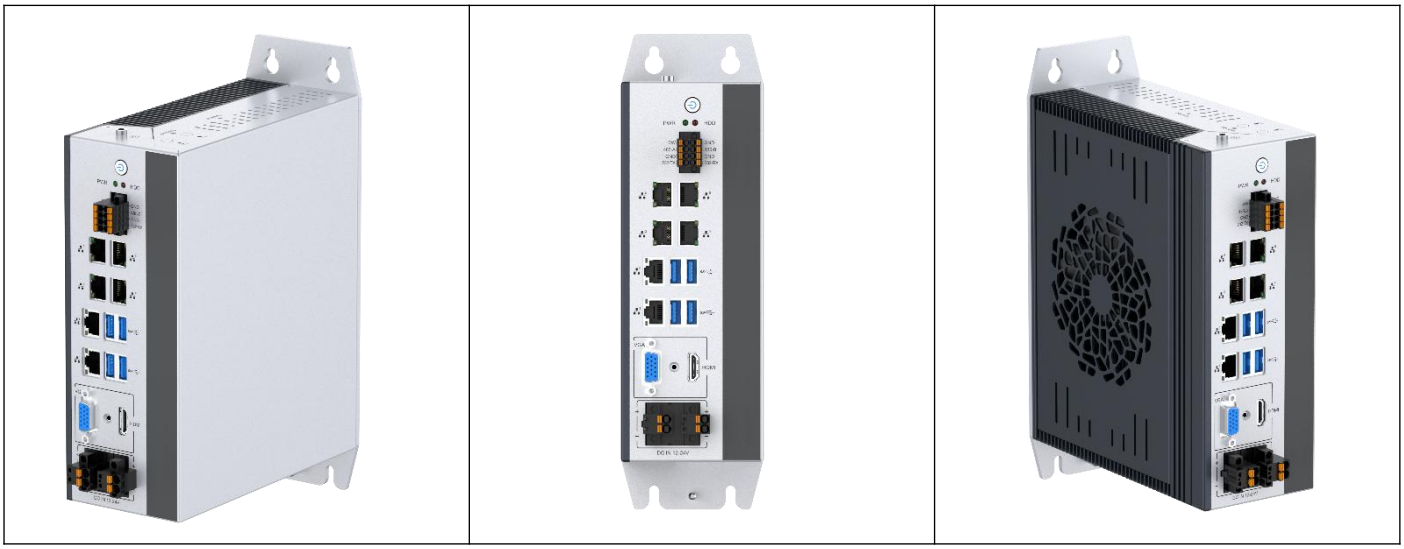
- 6 x Intel GbE LAN controller
- 4 x USB3.0，1 x USB2.0 Type A on board for dongle
- 1 x RS232, 1 x RS485
- 1 x Remote switch
- Support both VGA and HDMI display ports
- 1 x miniPCIE expansion slot, Support wifi,3G/4G modules
- DC12~24V Power supply with overcurrent, overvoltage and polarity inverse protection
- Support wall-mounted or DIN-Rail fixing style

Specifications

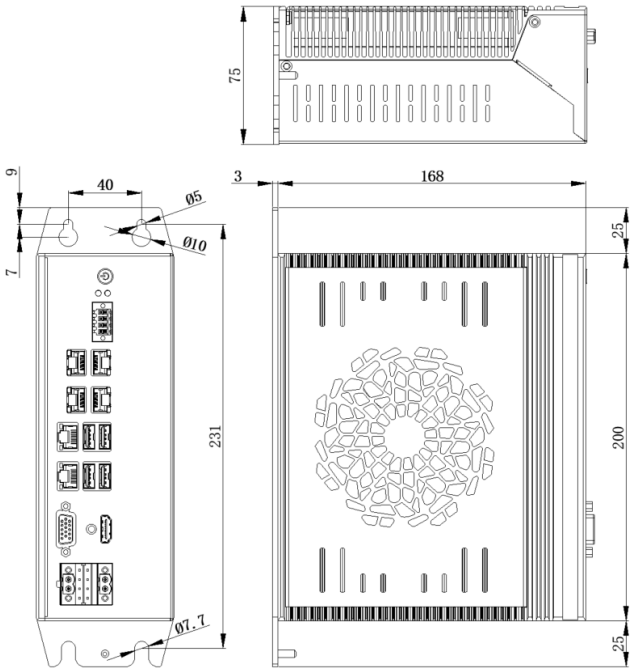
Model Name		NP-6140
0System	CPU	Intel® Core™ 12th/13th/14th gen i7/i5/i3 LGA1700 type CPU
	TDP	65W
	BIOS	AMI UEFI BIOS
	Memory	2 x SO-DIMM DDR4-3200MT/s (max up to 32GB)
	Storage	1 x M.2 slot, 2242 KEY-M, SATA3.0
		1 x M.2 slot, 2280 KEY-M, SATA3.0
	USB	4 x USB3.0，1 x USB2.0 Type-A on the board for USB dongle
	COM	1 x RS232 (COM1), maximum baud rate:115.2kbit/s
		1 x RS485(COM2), maximum baud rate:115.2kbit/s
	Ethernet	1 x Intel i219-V GbE LAN controller
		5 x Intel i210-AT GbE LAN controller
	Remote switch	1 x SW
	VGA	Support up to 1920 x 1080 @60Hz
	HDMI	Support up to 3840 x 2160 @30Hz
	Expansion	1 x Full-size PCIe mini slot with SIM card holder
	Watch Dog	1~255 levels programmable
	TPM	dTPM: SLB9670VQ2.0
OS	Microsoft Windows	Windows 10 , Windows11
	Linux	Ubuntu，Debian，CentOS
Power	Voltage Input	DC12~24V ±10%，overcurrent, overvoltage and polarity inverse protection
	Power Consumption	Max.120W
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style.
	Dimensions	(L)200mm x (W)168mm x (H)75mm
	Net Weight	2.4Kg
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 55011, EN 55032, EN55035, EN 61131-2, EN IEC 61000-3-2, EN IEC 61000-6-2, EN IEC 61000-6-4, FCC Class A
	Safety	Follow EN IEC 62368-1

All product specifications are subject to change without notice.
Ver: 1.2.0 Last updated: 8-May.-2026

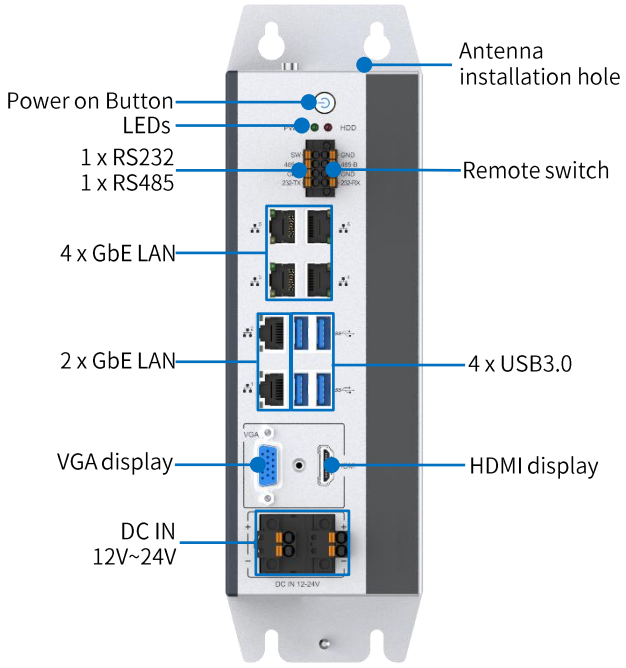
■ Appearance



■ Dimensions (Unit: mm)



■ Interfaces:



■ Ordering Information

Part No.	Product	Description
B73.61400.00.0002	NP-6140	CPU: NULL, RAM:NULL, M.2: NULL, 1 x RS232, 1 x RS485, 6 x LAN, 4 x USB3.0, HDMI/VGA display ports, 12-24V Power input

■ Options

Parts	NP-6140
CPU	i3-12100, i3-12100T, i3-13100, i3-13100T,i3-14100, i3-14100T
	i5-12500, i5-12500T, i5-13500, i5-13500T, i5-14500, I5-14500T
	i7-12700, i7-12700T, i7-13700, i7-13700T, i7-14700, i7-14700T
	i9-12900, i9-12900T, i9-13900, i9-13900T, i9-14900, i9-14900T
Memory	DDR4-3200MHz: 4GB, 8GB, 16GB
M.2 2242 SSD	64GB, 128GB, 256GB, 512GB, 1TB
M.2 2280 SSD	128GB, 256GB, 512GB, 1TB, 2TB
Wifi Set	mini PCIE: WIFI Set (AX210/7260 series) ,Cylindrical antenna
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail

■ Parts information

Name	Part No.	Specification
2pin power supply terminal	K80.000109.00.D35	5.08mm 1*2pin, wiring terminal
8pin IO terminal	K80.000110.00.D35	3.5mm 2*4pin, wiring terminal
DIN-Rail	C78.570001.00.NDJ	Din-Rail bracket，DIN Rail that complies with IEC 60715（width:35mm，thickness:1mm）
Wall-mounted	L10.011246.00.NKL	Hanging board
WIFI Set Intel AX210	F06.000014.00.NDJ	miniPCIE,Wifi6, External 2.4G/5G rubber antenna (single piece)
WIFI Set Intel 7260AN	F06.000087.00.NDJ	miniPCIE,Wifi5 , External 2.4G/5G rubber antenna (single piece)
WIFI Set Intel 7260AN	F06.000089.00.NDJ	miniPCIE,Wifi5, External 2.4GHz/5GHz magnetic mount antenna with 3m cable
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

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.