

NP-6XXS Industrial Computer

7, 8, 10.1, 12, 15, 17, 18, 19, 21

Windows 10/11 IoT



NP-6XXS features a fan less design with the Intel Quad-Core Celeron J6412 (2.0 GHz) CPU. The NP-6XXS is designed to provide a cost-effective and versatile solution for a wide variety of industrial and commercial applications. Meet the requirements of your application with optional Windows 10/11 IoT Operating System.

Specifications

	NP-607S	NP-608S	NP-610S	NP-612S	NP-615-S	NP-617-S	NP-619-S	NP-621-S
Display Type	7" TFT LCD	8" TFT LCD	10" TFT LCD	12.1" TFT LCD	15" TFT LCD	17" TFT LCD	19" TFT LCD	21.5" TFT LCD
Max. Resolution	800 x 480	800 x 600	1280 x 800	800 x 600	1024 x 768	1280 x 1024	1280 x 1024	1920 x 1080
Max. Color	262K	262K	16.7M	16.2M	16.7M	16.7M	16.7M	16.7M
Luminance(cd/m ²)	350	450	350	450	350	350	350	300
Contrast Ratio	1000:01:00	500:01:00	800:01:00	1500:01:00	1000:01:00	1000:01:00	1000:01:00	1000:01:00
Viewing angle(H/V)	160 /160	140 /130	170 / 170	178 / 178	170/170	160/140	170/160	178/178
MTBF(Hrs)	40,000	40,000	30,000	50,000	50,000	50,000	50,000	50,000
System								
CPU	Intel Celeron® J6412 Processor,2.0GHz up to 2.60GHz,10W							
Chipset	Integrated with SoC							
BIOS	AMI UEFI BIOS							

Memory	1 x DDR4 3200MHz SO-DIMM, up to 32G							
Graphic	Intel® UHD Graphics for 10th Gen Intel® Processors							
IO Port	NP-607S	NP-608S	NP-610S	NP-612S	NP-615S	NP-617S	NP-619S	NP-621S
USB	2 x Type A USB 3.2		2 x Type A USB 3.2, 2 x Type A USB 2.0					
Serial	1 x DB9 Type RS-485/422/232(COM1, BIOS selection)		1 x DB9 Type RS-485/422/232(COM1, BIOS selection, RS-232 is default) 1 x DB9 Type RS-232					
LAN	1 x RJ45 Type Intel I210AT 1GbE LAN		1 x RJ45 Type Intel I210AT 1GbE LAN					
	1 x RJ45 Type Intel I225LM/I226LM 2.5GbE LAN		1 x RJ45 Type Intel I225LM/I226LM 2.5GbE LAN					
Audio	1 x Line-out		1 x Line-out					
Display	1 x DisplayPort 1.4: Up to 4096 x 2160@60Hz		1 x DisplayPort 1.4: Up to 4096 x 2160@60Hz					
Power	1 x Terminal Block Type, 9-36Vdc Power input		1 x Terminal Block Type, 9-36Vdc Power input					
Mechanical								
Mechanical Construction	Aluminum die-casting chassis							
Mounting	Panel Mount VESA 75(7", 8")							
	VESA 100(10.1"~23.8")							
IP Rating	IP66 Front Bezel Design							
Operating System Support								
OS Support	Windows 10 IoT Enterprise 2021 LTSC Windows 11 (21H2) or later							
	Linux 18.04 or later							
Environmental								
Operating Temperature	-20~60C(exclusive 21.5", 23.8" above)							
Storage Temperature	-30~70°C							
Humidity	10 to 95% @ 40°C, non-condensing							
Certification	CE / FCC Class A							

Dimensions







