

Custom PicoSYS BPC-7232 Embedded PC

FEATURES

- Intel® Alder Lake-U processor
- 5G module with antenna
- RS232/RS422/RS485 setting by BIOS
- Remote power switch
- DC 12~36V wide voltage input, support RVP/SCP/OVP/OCV



SPECIFICATIONS

System

CPU	Intel® Alder Lake-U processor
Memory	1 x SO-DIMM, DDR5 4800MHz
Storage	1 x M.2 M Key 2242/2280 (NVMe), 1 x 2.5" SATA3.0
Display	1 x HDMI 1.4b, 1 x DP 1.2(only for non-clip cables)
USB	4 x USB3.2 Gen1 Type-A
COM	2 x RS232/RS422/RS485 (setting by BIOS)
LAN	3 x 10/100/1000/2500Mbps RJ-45 (Intel I226-V), 1 x 10/100/1000Mbps RJ-45 (Intel I210-AT)
Expansion	1 x M.2 E Key 2230 (for WiFi & Bluetooth), 1 x M.2 B Key 3042/3052 (for 4G/5G)
TPM	TPM 2.0
Watchdog	1~255 levels programmable

OS

OS Support	Windows10, Windows11, Linux
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Power

Input Voltage	DC 12~36V
Power Consumption	40W

Mechanical

Dimensions	240.0x166.0x66.5mm (9.4x6.5x2.6in)
Net Weight	2.53kg (5.58lb)

Environment

Operating Temperature	-20~60°C (-4~140°F)
Storage Temperature	-30~80°C (-22~176°F)
Relative Humidity	10%~95% (non-condensing)
Vibration	Operating random vibration test 5~500Hz, 2Grms @with SSD, follows IEC 60068-2-64
Shock	Operating 15G peak acceleration (11ms duration), follows IEC 60068-2-27
EMC	CE/FCC

OPTIONS

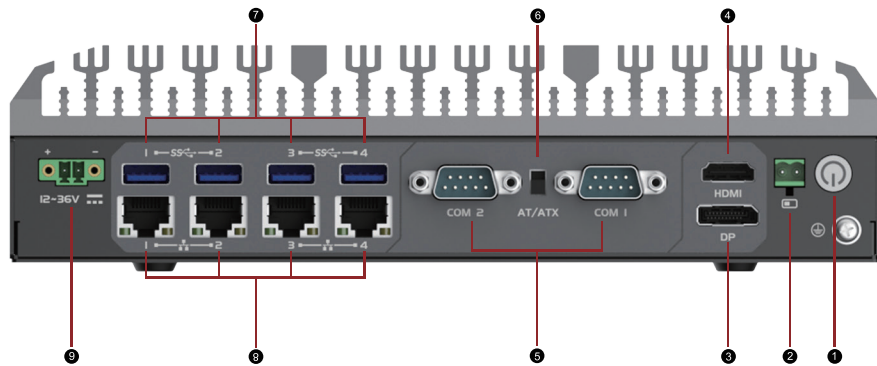
System

CPU	i5-1235U, 10 cores, base frequency 1.3GHz, TDP 15W
Memory	DDR5 memory, support 16GB
Storage	M.2 SSD, support 128GB, 256GB, 512GB, 1TB, 2TB 2.5" SATA3.0, support 128GB, 256GB, 512GB, 1TB, 2TB

Communications

4G/5G	4G/5G module with antenna
WiFi & Bluetooth	WiFi & Bluetooth module with antenna

I/O LAYOUT



- 1 Power Button
- 2 Remote Switch
- 3 HDMI
- 4 DP
- 5 2 x COM, Optional:RS232/RS422/RS485
- 6 AT/ATX Switch
- 7 4 x USB3.2 Gen1

PRODUCT DIMENSIONS

