PBC-1000

High-Efficiency Processing for AI and IoT Applications

Specification	Details
Processor	Intel Atom® x6211E (Elkhart Lake)
BIOS	AMI
SIO	IT8659E
Memory	1× DDR4 3200MHz SO-DIMM, up to 32GB
Graphics Processor	Intel® UHD Graphics for 10th Gen Intel® Processors
Display Interface	1× DisplayPort, up to 4096×2160 @60Hz
LAN 1	Realtek RTL8119I, GigE
LAN 2	Realtek RTL8119I, GigE
Audio Codec	Realtek ALC888S-VD, 7.1 Channel HD Audio
Audio Interface	1× Mic-in, 1× Line-out
SATA	1× SATA III (6Gbps)
Serial Ports	1× COM RS-232/422/485, 1× COM RS-232
USB Ports	2× USB 3.0
LED Indicators	Power, HDD, WLAN, WWAN
SIM Slot	1× External SIM Card Socket
M.2 Expansion	1× Key B (2280, PCIe x2/SATA/USB3 default/USB2), 1× Key E (2230, PCIe/USB)
Power Input	12V DC-in, 2-pin Terminal Block (V+, V-)
Watchdog Timer	Reset: 1−255 sec/min per step
HW Monitor	Monitors temperature & voltage, auto CPU throttling
OS Support	Windows 10, Linux
Dimensions	126.0 × 43.5 × 78.5 mm (4.96" × 1.74" × 3.09")
Weight	0.5 kg (1.1 lbs)
Mounting	Wallmount (bracket), DIN Rail (optional)
Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5%−95%, non-condensing
Shock	IEC 60068-2-27; SSD: 50G @ wallmount, Half-sine, 11ms
Vibration	IEC 60068-2-64; SSD: 5Grms, 5Hz−500Hz, 3 Axis
EMC Compliance	CE, FCC