



# BOX POS BL Series

## Fanless Industrial Box PC

Windows BOX PC / Application:  
Industrial, Retail



### FEATURES

- Onboard Intel® Alder Lake-N95 and i5 CPU
- 1x DDR4 SO-DIMM 3200Hz, up to 32GB
- Dual RJ11 cash drawer ports
- 1x M.2 M-Key 2280 supporting NVMe / SATA3.0 SSD
- Dual HDMI outputs supporting synchronous / asynchronous display (On board, MB Compliance only)
- Multiple Power USB outputs supporting 24V/3A and 12V/3A
- Supports watchdog, diskless boot, Wake-on-LAN, auto power-on, and scheduled startup
- OS Recovery: One-key system recovery for crash scenarios caused by power loss or software failure

### I/O PORT OVERVIEW



Front View



Rear View

## SPECIFICATION

CPU	Onboard Intel® Alder Lake-N95 and i5 CPU
Memory	<ul style="list-style-type: none"> <li>Slot Number: 1× SO-DIMM DDR4 3200Hz</li> <li>Max Capacity: Up to 32GB</li> </ul>
Graphics	HDMI: Dual HDMI, up to 4096×2160 @ 60Hz (On board, MB compliance only)
Storage	1× M.2 M-Key (2280), supporting NVMe / SATA3.0 protocol
Expansion Slots / Internal I/O	<ul style="list-style-type: none"> <li>1× M.2 B-Key (2242/2252, PCIe x1 / USB3.0 + USB2.0 signals), supports 5G / 4G</li> <li>1× M.2 E-Key (2230, PCIe x1 + USB2.0 signals), supports Wi-Fi / Bluetooth</li> </ul>
Rear I/O	<ul style="list-style-type: none"> <li>DC IN: 1× 4-pin DIN connector, 24V / 5A (with short circuit, over-voltage, and over-current protection)</li> <li>Power USB 1: 24V Power USB output, 24V / 3A</li> <li>Power USB 2: 12V Power USB output, 12V / 3A</li> <li>USB 2.0: 1× Type-A port</li> <li>RJ11: 1× dual cash drawer port</li> <li>COM: 4× RJ50 (COM1-COM4) <ul style="list-style-type: none"> <li>* COM2/COM3 PIN9 configurable to 5V/12V via BIOS</li> <li>* COM2/COM3 selectable RS232 / RS422 / RS485 mode via BIOS</li> <li>* COM1/COM4 default RS232</li> </ul> </li> <li>Audio: 1× Line + 1× MIC (3.5mm combo jack, stereo with MIC, 4-pole)</li> <li>USB 3.0: 4× Type-A ports</li> <li>LAN: 2× RJ45 ports</li> <li>HDMI: 2× HDMI (Type-A), dual-layer (On board, MB compliance only)</li> </ul>
Front I/O	<ul style="list-style-type: none"> <li>PWR Switch: 1× Power Switch + 1× Power LED</li> <li>Power USB: 12V Power USB, 12V / 3A output</li> <li>USB 2.0: 2× Type-A ports</li> </ul>
Physical Characteristics	<ul style="list-style-type: none"> <li>Dimensions (W×D×H) / Weight: 224 × 140 × 67 mm (without brackets) / approx. 0.60 kg</li> <li>Material / Finish: Premium aluminum extrusion alloy + SGCC steel; sandblasted anodized + powder-coated surface</li> </ul>
Environment	<ul style="list-style-type: none"> <li>Operating Temperature: -20°C ~ 60°C; Humidity: 5%–95%, non-condensing</li> <li>Storage Temperature: -20°C ~ 85°C; Humidity: 5%–95%, non-condensing</li> </ul>

