

Edge-Max

BFT8KB

Intel Powered
Fanless Mini PC

Compact edge appliance with multi-port networking and flexible storage and wireless configurations for secure, reliable deployments.



Intel Atom x5-E3940

Powered by an Intel Embedded Atom x5-E3940 quad-core (1.8 GHz) with 64-bit processing and AES-NI acceleration for efficient, reliable performance.

2.5G Ethernet

Four Intel i226-v Ethernet ports plus serial and USB for integration into network and industrial environments for high speed connectivity.

Audio In/Out

BFT8KB features dedicated audio input and output interfaces for voice-enabled and multimedia applications. Perfect for SBC, PBX and VoIP solutions.

Systems

Processor	Intel Atom x5-E3940
Processor Speed	1.8 GHz
Processor Cores	4 (Quad-Core)
Integrated Graphics	4096 x2160 @ 60Hz (4K)
Memory Capacity	8GB
Memory Slot Count	Onboard DDR4

Internal I/O

Serial Ports	1 x RS-232, 2 x TTL (1 Mbit/s)
TPM	Available (Optional)
GPIO	24-bit GPIO
USB	1 x USB 3.0
SIM Slots	2 x SIM Slots (Internal)
Power Source	1 x Internal

Rear I/O

Ethernet	4 x Intel i226-V (2.5 Gbps)
USB	1 x USB2.0, 1 x USB3.0
Video	1 x RS-232, 2 x TTL (1 Mbit/s)
Power Jack	5.5mm/2.5mm (12v/2amp)
Power Button	1
Reset Button	1 (Internal)
Serial Port	1 x RJ45
SMA Cutouts	6

Expansions

mPCIe1, mPCIe2	WiFi/4G, WiFi/4G
mPCIe3, mPCIe4	mSATA, mSATA/4G
M.2 B-Key	1 x 4G/5G

Dimensions & Environmental

Dimensions (LxWxD)	6 x 7 x 1 Inch
Weight	1.71 Lbs
Operational Temp:	5% to 95% (non-condensing)
Certifications	RoHS, CE, FCC 47 CFR Part 15

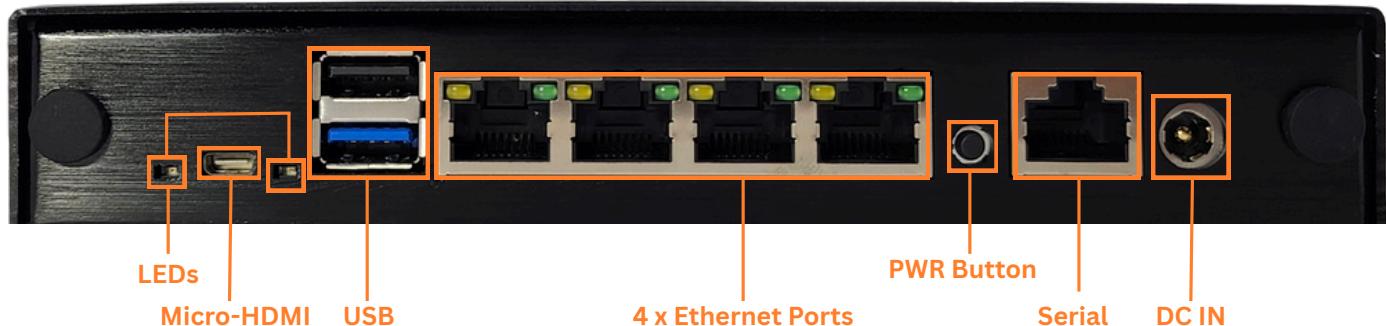
Other Features

Watchdog	1~255 Mins Programmable, Disable
Customization	Port labels, Branding
Warranty	2 Years Standard + Extended Warranty

Humidity

Operational	10 ~ 95% RH
Storage	-40 °C to + 85 °C

Product I/O View



Safety & Handling

- Use only the recommended Power supply
- Do not operate outside specified limits
- Proper Grounding is required
- Installation must be performed by qualified personnel

Contact Info

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Customization

- Enclosure & Appearance
- Storage
- Software & System Customization
- Branding & White Label Support
- Packaging & Accessories
- Custom BIOS Configuration
- Customize Brackets for Mounting

Disclaimer

The information in this document is subject to change without notice. BFT8KB System specifications are provided for reference only and do not constitute a contractual obligation.