Edge-Lite
BFTL2KB

Boingfire

Intel Powered
Fanless Mini PC

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

Intel Celeron J3455

Powered by an Intel Celeron quad-core J3455 (1.5 GHz) with AES-NI acceleration for efficient and reliable performance for 24/7 operations.

2.5G Ethernet

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

Small Footprint

Compact, edge system with onboard DDR4 RAM, flexible Wi-Fi/LTE/5G expansion options, and easy access via Micro-HDMI display and RJ45 console.

Systems

Processor	Intel Celeron J3455
Processor Speed	1.5 GHz
Processor Cores	4 (Quad-Core)
Integrated Graphics	4096 ×2160 @ 60Hz (4K)
Memory Capacity	4GB
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	Micro-HDMI
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 Programable, Disable
Customization	Port labels, Branding
Warranty	2 Years Standard + Extended Warranty

Humidity

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

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Product I/O View

LEDs

Micro-HDMI   **USB**

4 x Ethernet Ports

PWR Button

Serial   **DC IN**

LEDs

Mode Switch
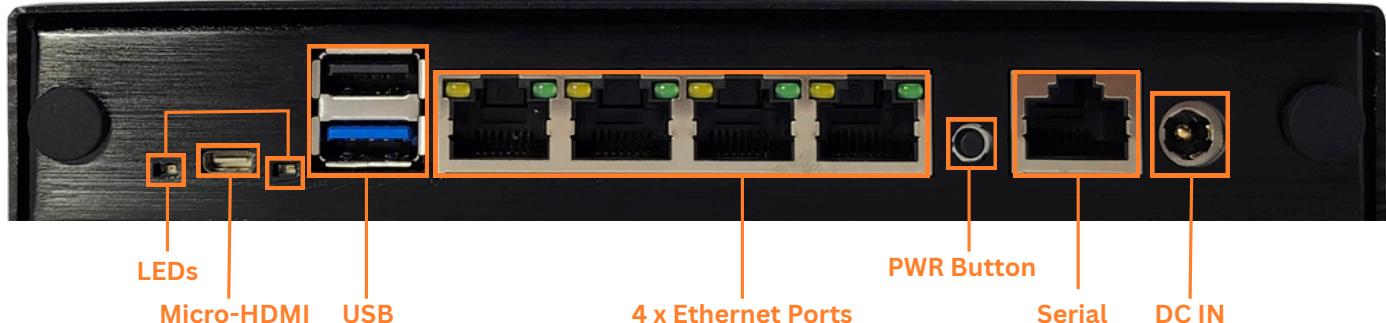
Safety & Handling

- 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

Boingfire Systems
7-871 Victoria Street N,
Unit 173, Kitchener,
ON, N2B 3S4,
Canada
Email: sales@boingfire.com
Website: boingfire.com

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. BFTL2KB System specifications are provided for reference only and do not constitute a contractual obligation.