

BOXER-6403

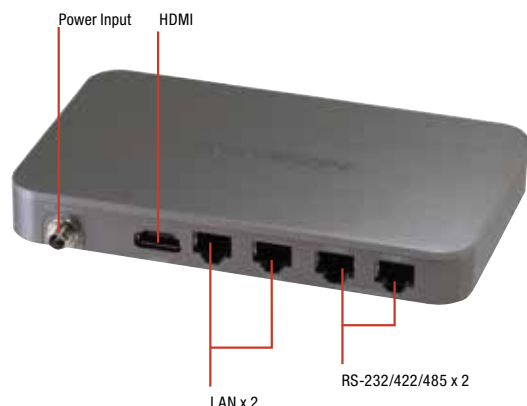
Compact Embedded Controller with Intel® Celeron®/ Atom™ Processor SoC

BOXER Lite Series - Fanless Embedded Controller Solutions

Front View



Rear View



Features

- Slim, Palm-sized, Fanless Box: 20mm
- 4 Digital Input & 2 Digital Output Support Dry Contact & Wet Contact
- HDMI Output
- Seamless Communication for WiFi, 3G, 4G, GPS, Bluetooth, and ZigBee
- Aluminum Die Casting Enclosure
- Low-Power-Consumption CPU



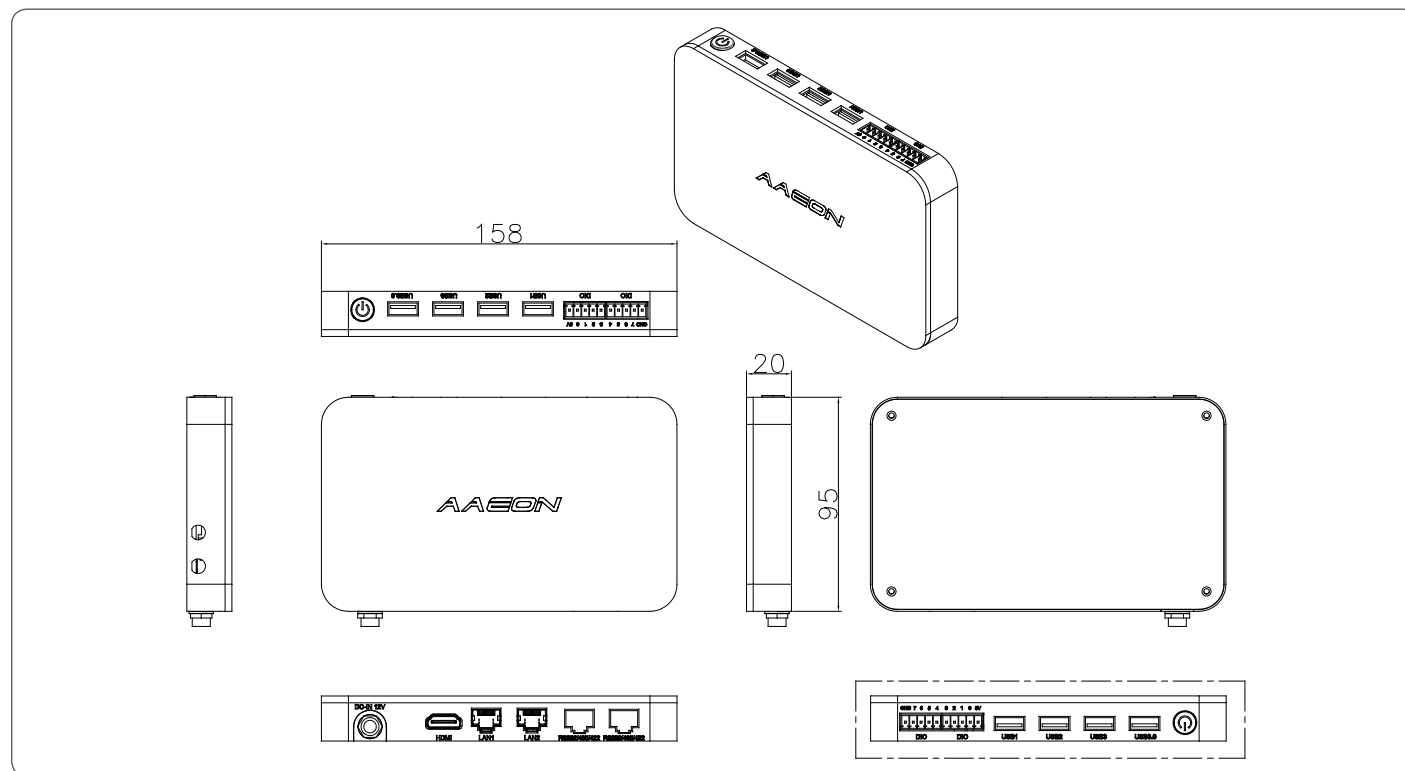
Specifications

CPU		Intel® Celeron®/ Atom™ Processor SoC
Chipset		—
System Memory		DDR3L 1333 SODIMM X 1, Max. 8 GB
Display Interface	VGA	—
	DVI	—
	HDMI	HDMI x 1
	Others	18/24-bit single channel Onboard LVDS x 1 (internal)
Storage Device	CF-SATA	—
	HDD/SSD	—
	Others	mSATA (half-size) Space
Network	LAN	Intel® Gigabit Ethernet
	Wireless	Optional
Front I/O	USB Port	USB3.0 x 1, USB2.0 x 3
	LAN	—
	Serial Port	—
	DIO	DIO x 6 (DI x 4, DO x 2, w/o isolation)
	Audio	—
	KB/MS	—
	Others	Power Button x 1
Rear I/O	USB Port	—
	LAN	RJ-45 x 2
	Serial Port	RJ-45 x 2 for RS-232/422/485 (BIOS selection)
	DIO	—
	Audio	—
	KB/MS	—
	Others	Lockable DC jack x 1, HDMI x 1
Expansion	PCIe	—
	PCI	—
	Mini-Card	Half Mini-Card x 1 (mSATA only), Full Mini-Card x 1 w/ SIM slot (Mini-Card w/ SIM)
	Mini PCI	—
	Others	One USB 2.0 pin header on board, LPC connector onboard, LVDS x 1
Indicator	Front	—
	Rear	—
Power Requirement		DC 12V input with lockable connector ATX mode (optional for AT by Jumper/BIOS setting)
Power Consumption		—
System Cooling		Passive
Mounting		VESA / Din-rail (Wall / Din-rail kit)
Operating Temperature		-4°F ~ 104°F (-20°C ~ 40°C) w/o Air (mSATA) -4°F ~ 131°F (-20°C ~ 55°C) w/ Air (mSATA)
Storage Temperature		-22°F ~ 176°F (-30°C ~ 80°C) 5 ~ 95% @ 40C, non-condensing
Anti-Vibration		3 g rms/ 5 ~ 500Hz/ operation (mSATA)
Anti-Shock		20 G peak acceleration (11 msec. duration, mSATA)
MTBF (Hours)		94,101
Certification	EMC	CE /FCC Class A
	Safety	—
Dimension (W x H x D)		6.22" x 3.74" x 0.79" (158 mm x 95 mm x 20 mm)
Gross Weight		—
Note		—

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Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB3.0	USB2.0	RS-232/422/485	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6403-A00-1010	Intel® N2807	Up to 4GB	2	1	3	2	mSATA bay x 1	HDMI	WiFi b/g/n (optional)	Din Rail/VESA 75	12V DC in	0°C ~ 50°C (with airflow)
BOXER-6403-A01-1010	Intel® N2930	Up to 8GB	2	1	3	2	mSATA bay x 1	HDMI	WiFi b/g/n (optional)	Din Rail/VESA 75	12V DC in	0°C ~ 50°C (with airflow)
BOXER-6403-A02-1010	Intel® E3825	Up to 4GB	2	1	3	2	mSATA bay x 1	HDMI	WiFi b/g/n (optional)	Din Rail/VESA 75	12V DC in	0°C ~ 50°C (with airflow)
BOXER-6403-A03-1010	Intel® J1900	Up to 8GB	2	1	3	2	mSATA bay x 1	HDMI	WiFi b/g/n (optional)	Din Rail/VESA 75	12V DC in	0°C ~ 50°C (with airflow)

Packing List

- RJ-45 to COM Cable x 2
- Power Adapter
- Product CD
- BOXER-6403

Optional Accessories

- **1702031802**
Power Cord (US type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9751640300**
4G Module & Antenna (for Europe)
- **9751640301**
4G Module & Antenna (for USA)
- **9751640303**
WiFi/BT Module & Antenna
- **1255300607**
Power Adapter
- **M046403000**
Anti-Heat Kit