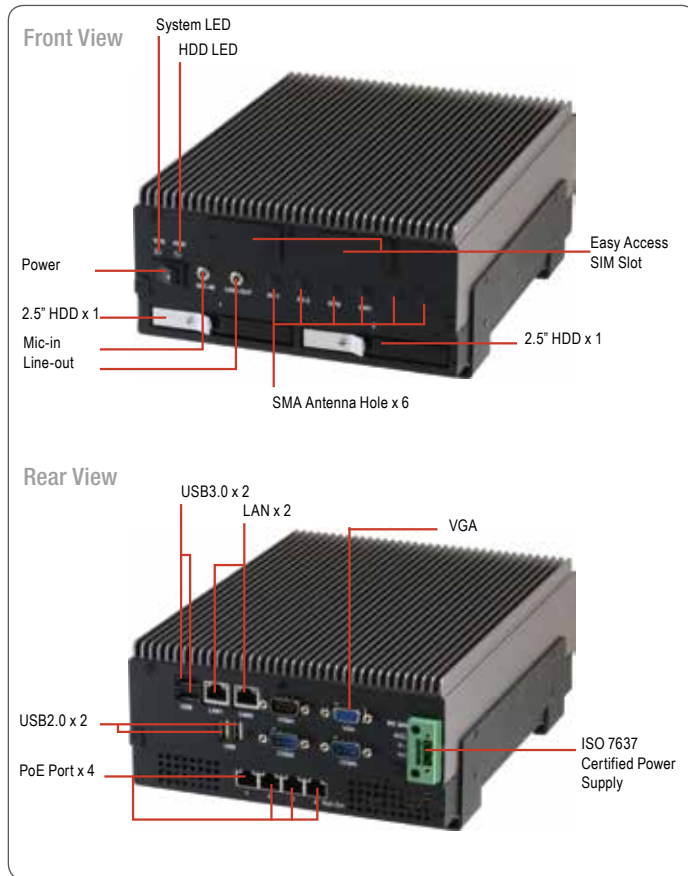


# BOXER-6301VS

4-CH PoE Fanless Embedded Controller With Intel® Core™ i5-4402E, 1.6 GHz Processor



## Features

- Intel® Core™ i5-4402E, 1.6 GHz Processor
- Intel® QM87 Chipset
- Support Easy Access 2.5" HDD x 2, Hot-Swap and Hot-Plug
- 802.11af POE x 4
- Support Wide Range DC Input, Default 24V Battery
- Support OVP/UVP/Reverse Protection, On/Off Delay and Battery Protection
- Load Dump Protection
- Fanless Operation
- Mini-PCIe x 3 and SIM x 3
- Certificated with E-Mark E13 and ISO 7637



Indicator	Front	HDD LED x 1, System LED x 1
	Rear	—
Power Requirement	DC 12/24V	
Power Consumption	—	
System Cooling	Passive	
Mounting	Wallmount	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C) w/o Airflow -4°F ~ 131°F (-20°C ~ 55°C) w/ Airflow	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	3 g rms / 5 ~ 500Hz / operation – CFast™ 1 g rms / 5 ~ 500Hz / operation – SSD	
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFast™ 20 G peak acceleration (11 msec. duration) – SSD	
MTBF(Hours)	—	
Certification	EMC	CE/FCC class A
	Safety	—
	Others	—
Dimension (W x H x D)	10" x 7.5" x 3.5" (255mm x 190mm x 88mm)	
Gross Weight	10.8 lb (4.9 kg)	
Net Weight	8.6 lb (3.9 kg)	
Note	Windows® 7, Windows® 8/8.1, Linux Fedora	

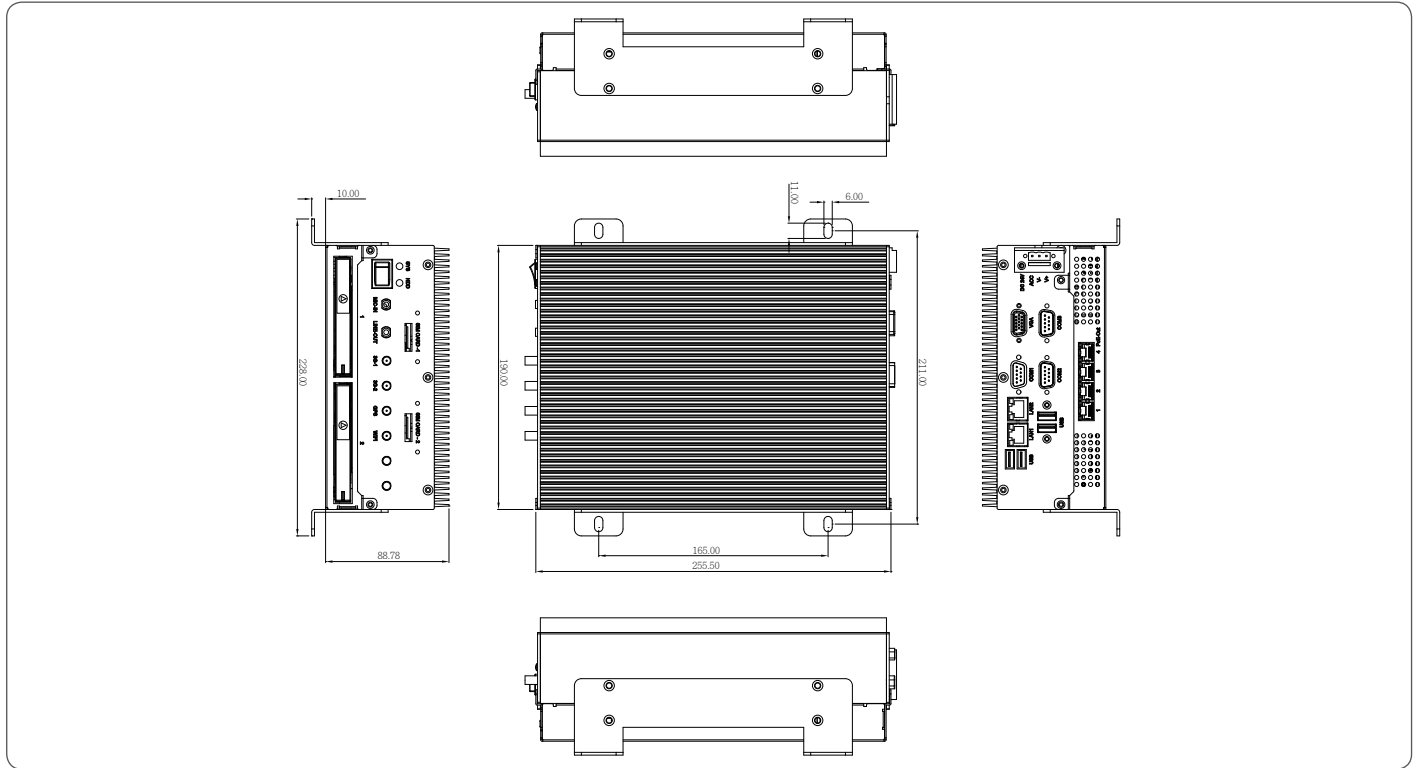
## Specifications

CPU	Intel® Core™ i5-4402E 1.6 GHz	
Chipset	Intel® QM87 Chipset	
System Memory	DDR3L 1333/1600MHz SODIMM x 1, max. 8 GB	
Display Interface	VGA	DB-15 x 1 for VGA
	DVI	—
	HDMI	—
	Others	—
Storage Device	CF/Cfast	CFAST™ slot x 1 (w/Cover protection)
	2.5" HDD/SSD	2.5" HDD Bay x 2, Support Easy Access 2.5" HDD x 2, Hot-Swap and Hot-Plug
Network	LAN	Gigabit Ethernet
Device	Wireless	Optional by MiniCard wireless module
Front I/O	USB Host	USB Type A x 2 for USB 2.0, USB Type A x 2 for USB 3.0
	LAN	—
	Serial Port	DB-9 for RS-232/422/485 x 2, DB-9 for RS-232 x 4
	DIO	—
	Audio	Line-Out x 1, Mic-in x 1
	KB/MS	—
	Others	SIM slot x 3, Antenna hole x 6
Rear I/O	USB Host	USB Type A x 2 For USB 2.0
	LAN	RJ-45 x 2
	Serial Port	DB-9 for RS-232 x 2, DB-9 for RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
Others	DC9~30V 3-pin terminal block x 1 (ACC, V-, V+), POE x 4 (802.11af)	
Expansion	PCI-E [x1]	—
	PCI	—
	Mini Card	Full-size Mini-PCIe x 3
	Mini PCI	—
	Others	Sim Card Socket x 3

# BOXER-6301VS

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	LAN	POE	USB3.0	USB 2.0	RS-232	RS-232/422/485	Audio	Storage	Display	Expansion	Mounting	Power	Temp.
BOXER-6301VS-A1-1010	Core™ i5-4402E	Max. 8 GB	2	4	2	2	2	1	Line-out x 1 Mic-in x 1	CFAST™ x 1 2.5" HDD x 2	DVI-I x 1 HDMI x 1 VGA x 1	Full-size Mini-card x 3 SIM slot x 3	Wallmount Desktop	DC 24V	-20°C ~ 50°C (w/o air)

## Packing List

- 3-pin Phoenix Connector x 1
- Screw Package x 1
- Wallmount Bracket x 2
- Product CD
- BOXER-6301VS

## Optional Accessories

- **978966660G**  
GPS Antenna, SMA(M) Black 3M
- **9761635600**  
3G & GPS Module
- **9761635601**  
WiFi 802.11 b/g/n Module