

Fanless Embedded PC



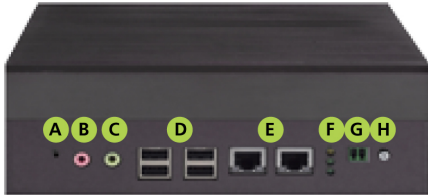
NEMA TS2 Fanless Embedded System, Intel Ivy Bridge processor i7-3517UE, VGA/HDMI, 2x GBE, Serial x2, DIO, Audio, CFast x1, 2.5" Drive bay x1, +12Vdc-in
 ADATA 8GB DDR3 1600 Industrial Grade (Wide Temp -40 ~85C) Sodimm, Low Voltage Transcend 512GB SSD (SATA) Drive 2.5 (MLC) INDUSTRIAL (wide temp)
 Warranty for 24 months

Vibration: IEC 60068-2-64: 2Grms, 5 ~ 500Hz
Shock: IEC60068-2-27: 50G, half sine, 11ms
Model: LPC4800-i7-VI-01

Features

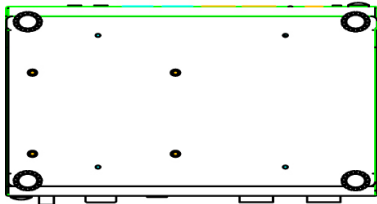
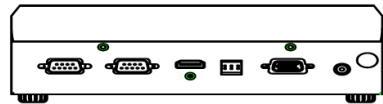
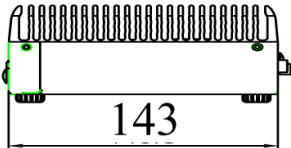
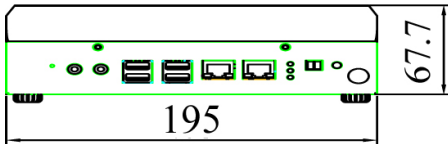
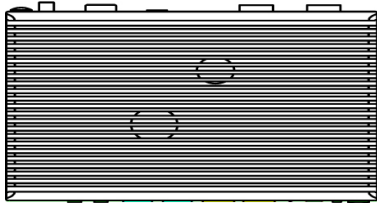
- Intel® Core® i7-3517UE or Core® i3-3217UE Processor
- High-performance Graphics Engine
- 2 Serial COM Ports
- 2 Ethernet Ports
- 4 USB Ports
- -35°C~75°C Operating Temperature
- Integrated SIM Card Reader
- Fanless Design

Product I/O View



- | | | | | |
|-------------------|------------------|-----------------------|---------------|----------------|
| A Reset | D USB x 4 | G Remote Power | J HDMI | M DC_in |
| B Mic_in | E LAN x 2 | H On/Off | K DIO | |
| C Line_out | F LEDs | I COM x 2 | L VGA | |

Mechanical Drawing



Specifications

Processor System	
CPU	Intel Core® i7-3517UE/i3-3217UE
Frequency	1.7GHz (i7), 1.6GHz (i3)
Core Number	2C
BIOS	AMI SPI Flash BIOS 64Mbit
Chipset	Intel® HM65
Fanless	
	Yes
Memory	
Technology	DDR3/DDR3L, 1333/1600MHz
Max. Capacity	8 GB
Socket	1x 204-pin SODIMM
Graphic	
Controller	Intel® HD Graphics 4000
VGA	1x VGA, 2048 x 1536
DVI	-
HDMI	1x HDMI, 1920 x 1080
Audio	
Codec	Realtek ALC886-GR
Interface	2x Phone Jack for MIC-in and Line-out
Ethernet	
Controller	Intel® 82583V
Speed	10/100/1000 Base-T
Interface	2x RJ45
Storage	
Type	SATA III
Installation Type	1 x CFast Socket
Type	SATA III
Installation	1x 2.5" HDD/SSD Drive Bay
I/O	
Serial Port	2x RS-232/422/485, DB9 Male
Digital I/O	2x DL, 2x DO with +5V TTL
USB 2.0	4x Type A
USB 3.0	-
Power-On/Reset Button	1x Power On/Off, 1x Reset
Remote Power Switch	Yes
LED	Power/Storage Access/3G
Antenna Hole	2x SMA Antenna Holes

Expansion Interface	
Mini-PCIe	1x Full-sized Socket with SIM Card Reader and 1x Half-sized Socket
PCI	-
PCI Express x16	-
Watchdog Timer	
Watchdog Timer 1~255 Level Time Interval System Reset, Software Power	
Power Type	ATX
Power Supply Voltage	+12 VDC
Connector	DC Jack with Lock
Power Consumption (Idle)	17.5W
Power Consumption (Full Load)	18.6W
Power Adaptor	AC to DC AC 90 to 240 VAC Input DC 12V/5V 60W
Environment	
Operating Temperature	-35°C~75°C (with Industrial-grade Components)
Storage Temperature	-45°C~85°C
Relative Humidity	5%~95% (Non-condensing)
Vibration	IEC 60068-2-64, 0.5Grms, Random 5~500Hz, 40Mins/Axis
Shock	IEC60068-2-27: 50G, half sine, 11ms
Mechanical	
Dimension (W x H x D)	195 x 67.7 x 143mm (7.68" x 2.67" x 5.65")
Construction	Aluminum
Weight	2Kg
Mounting	VESA, Wallmount
Driver Support	
Microsoft Windows	Windows 7, WES7, Windows 8.1, Windows 8.1 Standard
Linux	Kernel 2.6.32 or Later
Certification	
EMC	CE, FCC Class A

Standard Accessories

SATA SSD/HDD Cable with Power
60W 12V/5A Power Adapter