



Features

- Intel Atom E3845(4 Cores), AES-NI
- 1 x DDR3L 1333MHz SODIMM, Max. 8GB
- 3 x Rj45 GbE LAN, 1 x Rj45 Com Port
- 1 x HDD/SSD Slot, 1 x mSATA, 1 x eMMC
- 1 x HDMI (2560x1600 at 60 Hz)
- 2 x Power button, 24-bit GPIOs
- 4 x Mini-PCie - 2xWiFi, 1xWiFi,4G/LTE
- Built-in TPM2.0

Specifications

Processor System

CPU	Intel Atom E3845
Frequency	1.9 Ghz (Quad Core)
L2 Cache	2MB
BIOS	AMI 64Mb
AES	AES-NI
Fanless	Yes

Memory

Technology	DDR3L 1333MHz
Max. Capacity	8GB
Socket	1 x 204 pin SODIMM

Display

HDMI	1 x HDMI
Max. Resolution	2560 x 1600 @ 60Hz

Ethernet

Interface	3 x Rj45
Connector	Rj45
Controller	Intel i211 Gigabit
Speed	10/100/1000 Mbps
PoE	No

Watchdog Timer

Output	System Reset
Internal Timer	Programable 1 - 255 sec. 1 - 255 Mins, Disable

Physcial

Dimension	6 x 7.5 x 1.5 IN (LxWxH)
Weight	2.4 Lbs (Approx.)

Internal I/O

Serials	1 x RS-232, 2 x TTL
Reset Button	2
Power Button	2
USB	2 x USB2 (Internal)1 x USB 2.0, 1 x USB3.0 (Type A)
GPIO	24-bit
Serial Speed	Transfer up to 1 Mbits/s
SIM Slot	Yes
SIM Cutout	Available on Request

Storage

mSATA	1 x full size mSATA
eMMC	1 x eMMC 4.5
SATA	1 x SATAII (Max. Transfer 3.0Gb/s)

Expansion

Mini_PCIe1	mSATA
Mini_PCIe2,3	WiFi
Mini_PCIe3	4G/LTE, WiFi

Power

Power input	12V ±10% only
Typical Power	0.5A @ 12V (5.28W)
Max. Power	5A @ 12V (60W)

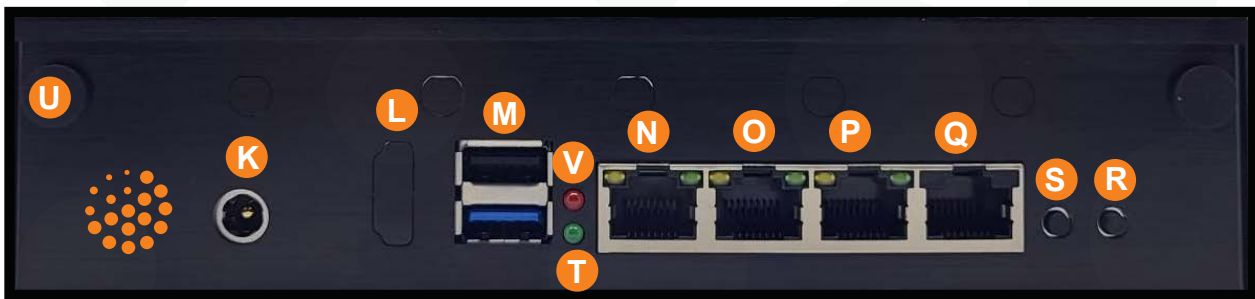
Environment

Operating	0°C ~ 60°C
Non-Operating	-40°C ~ 85°C
Opt. Humidity	10 - 90% RH
Non-Opt. Humid.	5 - 95% RH

Product I/O View



- | | |
|-----------------------------|--------------------------------|
| A Power LED | F LED 1 (GPIO Pin Bd16) |
| B HDD Activity LED | G LED 2 (GPIO Pin Bf14) |
| C Mode Switch | H LED 3 (GPIO Pin Bc14) |
| D Front Reset Button | I SIM Slot |
| E Front Power Button | J Activity LEDs |



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|-----------------------------|-------------------------------|---------------------------|
| K DC Power Connector | P igb0 (ETH1) | U 7 x SMA Cutouts |
| L HDMI Connector | Q External COM1 (RJ45) | V HDD Activity LED |
| M External USB Ports | R Rear power button | |
| N igb2 (ETH3) | S Rear Reset Button | |
| O igb1 (ETH2) | T Power LED | |

Customization

SMA Cutouts

Extra cutouts can add if required.

Ports Labels

Custom Ports Labels can print based on requirements.

Logo

Your company logo can print on system enclosure.

BIOS

Custom BIOS configurations available on bulk deployment.

OS

Custom OS pre-installed systems can ship worldwide.

Configuration

Hardware customization is available.