

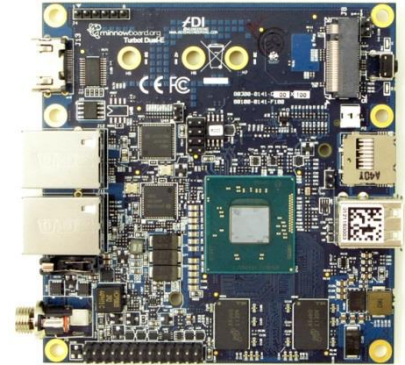


MinnowBoard Turbot Dual-Ethernet

Intel® Atom E3826 or E3845 MinnowBoard Turbot

Product Description

- Dual Ethernet MinnowBoard for developers, makers, and OEMs
- CPU Options: E3826 1.46 GHz Dual Core, E3845 1.91 GHz Quad Core
- 2x Intel i211 Ethernet ports
- M.2 slot for SSD, Wi-Fi, or LTE, with Micro-SIM socket
- FCC and CE certified, OEM production quality
- Open-source under Creative Commons BY-SA 3.0



Technical Specifications

General Technical Specifications	
Form Factor	MinnowBoard compatible 99x103mm
CPU	Intel® Atom™ E3826 (2 x 1.46 GHz, 1MB cache, 7W, AES-NI) Intel® Atom™ E3845 (4 x 1.91 GHz, 1MB cache, 10W, AES-NI)
DRAM	2GB DDR3L 1067MT/s, Memory down (non expandable)
Ethernet	2x 1Gb Ethernet RJ45, based on Intel i211
Video	Intel HD Graphics 1x HDMI output
Storage	1x M.2 slot, with Micro-SIM 1x MicroSD
I/O Connectors	1x USB 2.0 host 1x USB 3.0 host 8x buffered GPIO
Expansion Interface	MinnowBoard Max compatible Lure interface High-speed expansion connector Low-speed expansion connector
Console	Serial via FTDI cable
Boot Loader	TianoCore UEFI CoreBoot / SeaBIOS
Power	5VDC via coaxial power jack (threaded locking connector)

Temperature	Fanless ambient operating temperature: 0-40C
Certifications	FCC Part 15 Class A CE Class A IEC-60950 RoHS/WEEE
Custom Configurations	Available subject to MOQ – Contact Us for details

Order Information

P/N	Description
80300-0141-G00	<ul style="list-style-type: none"> – Form Factor: 99x103 mm – E3826 CPU (2 x 1.46 GHz, 1MB cache, 7W, AES-NI) – 2GB DDR3L – 2x Gb Ethernet RJ45 – 1 x HDMI output – MicroSD – Serial debug – 1x USB 2.0 host – 1x USB 3.0 host – 8x buffered GPIO – HSE expansion connector – LSE expansion connector – FCC and CE Class A certified
80300-0141-G01	<ul style="list-style-type: none"> – Form Factor: 99x103 mm – E3845 CPU (4 x 1.91 GHz, 2MB cache, 10W, AES-NI) – 2GB DDR3L – 2x Gb Ethernet RJ45 – 1 x HDMI output – MicroSD – Serial debug – 1x USB 2.0 host – 1x USB 3.0 host – 8x buffered GPIO – HSE expansion connector – LSE expansion connector – FCC and CE Class A certified