



MinnowBoard Turbot

Intel® Atom E3826 MinnowBoard Turbot

Product Description

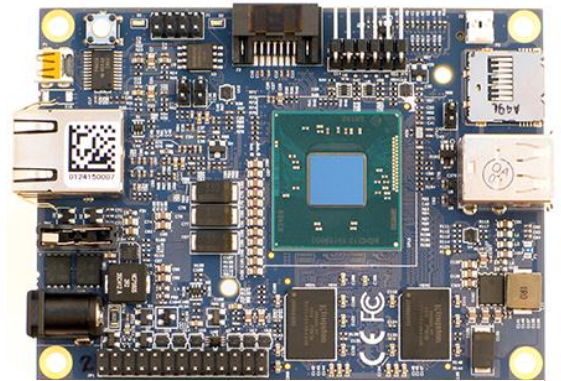
MinnowBoard Turbot is an enhanced MinnowBoard MAX compatible board that brings FCC and CE certification, increased performance, and robustness to MinnowBoard family.

The expandable open source hardware design of MinnowBoard Turbot provides endless possibilities for customization and integration.

With its regulatory compliance and enhanced design, MinnowBoard Turbot is no longer just for developers and makers, but can be confidently deployed by OEMs and across an incredibly diverse range of commercial applications.

Key Features

- Enhanced MinnowBoard for developers, makers, and OEMs
- Intel Atom E3826 1.46 GHz Dual Core CPU
- FCC and CE certified, OEM production quality
- Open-source under Creative Commons BY-SA 3.0
- Collateral on minnowboard.org



Technical Specifications

Form Factor	MinnowBoard compatible 99x74mm
CPU	Intel® Atom™ E3826 (2 x 1.46 GHz, 1MB cache, 7W, AES-NI)
DRAM	2GB DDR3L 1067MT/s, Memory down (non expandable)
Ethernet	1x 1Gb Ethernet RJ45
Video	Intel HD Graphics 1x micro HDMI output
Storage	1x SATA2 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
Temperature	Fanless ambient operating temperature: 0-40C (Wider range possible with a larger heatsink)

	than provided with standard boards)
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

80500-0125-G00	<ul style="list-style-type: none"> – Form Factor: 99x74 mm – E3826 CPU (2 x 1.46 GHz, 1MB cache, 7W, AES-NI) – 2GB DDR3L – 1x Gb Ethernet RJ45 – Micro HDMI output – MicroSD – Serial debug – 1x USB 2.0 host – 1x USB 3.0 host – 1x SATA2 – 8x buffered GPIO – HSE expansion connector – LSE expansion connector – FCC and CE Class B certified
80500-0139-G01	<ul style="list-style-type: none"> – Form Factor: 99x74 mm – E3845 CPU (4 x 1.91 GHz, 2MB cache, 10W, AES-NI) – 2GB DDR3L – 1x Gb Ethernet RJ45 – Micro HDMI output – MicroSD – Serial debug – 1x USB 2.0 host – 1x USB 3.0 host – 1x SATA2 – 8x buffered GPIO – HSE expansion connector – LSE expansion connector – FCC and CE Class B certified