ADI ENGINEERING
a division of
Silicom Ltd.
Connectivity Solutions

Product Brief

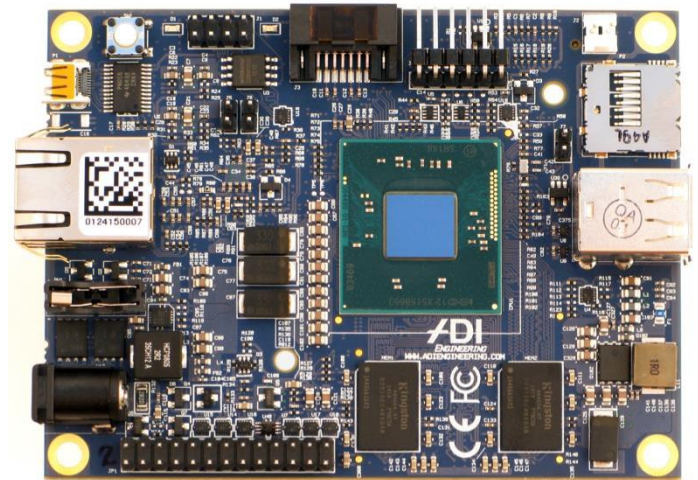### Enhanced MinnowBoard MAX Compatible Board for Developers, Makers and OEMs

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

MinnowBoard Turbot Software Support

- Debian GNU/Linux
- Windows 10
- Windows 8.1
- Android 4.4
- Ubuntu
- Yocto Project Compatible
- CoreBoot / SeaBIOS
- UEFI System Boot Firmware

Customized MinnowBoards from Silicom Connectivity Solutions

Need a custom version of MinnowBoard Turbot or a Lure expansion card? Silicom delivers high-quality, low-cost, first-to-market Intel-based products for emerging megatrends. Driven by industry shifts toward SDN, NFV, IoT, network edge virtualization, cloud computing, and open source, Silicom delivers next-gene ration platforms with the highest quality and performance, targeted feature sets, and low price points.

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MinnowBoard Turbot Feature Set

Feature	MinnowBoard Turbot
CPU	Intel Atom E3826, Dual-Core 1.46 GHz
DRAM	2GB DDR3L 1333 MT/s, soldered to board
Ethernet	1x 1Gb RJ45
Video	Intel HD Grapics 1x microHDMI video output
Storage	1x SATA2 1x MicroSD
I/O Connectors	8x buffered GPIO
Expansion Interface	MinnowBoard MAX Compatible Lure Interface High-Speed Expansion (HSE) Connector Low-Speed Expansion (LSE) Connector
Boot Flash	8MB SPI Boot Flash
Console	Serial via FTDI Cable
Boot Loader	TianoCore UEFI CoreBoot / SeaBIOS
Power	5VDC Input via Coaxial Power Jack 5VDC Power Output
Temperature	Fanless operating temperature 0-40C using standard heatsink; Wider ranges possible with custom heatsink
Regulatory Compliance	FCC Part 15 CE IEC-60950 RoHS/WEEE

In the EU, this symbol means that this product must not be disposed of with household waste. It is your responsibility to bring it to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your local waste collection centre or your point of purchase.

Users installing a battery in Switzerland must use a properly certified battery.