

Embedded Board
3.5"

Low Power Solution



FB2730 Intel Atom (Bay Trail) E3845 Small System With VGA, 4S, 2Giga-LAN, 4USB, Audio and CFAST/PCIe Mini- Card Socket



Features

- Fanless and low power consumption design
- Intel® Atom™ Processor E3845 (1.91GHz/2M L2 Cache)
- 1 SoDIMM socket for DDR3L Modules (8 GB max.)
- 2 PCIe Giga LAN
- 3 USB V2.0 and 1 USB V3.0 Ports
- 1 CFAST Socket and 1 SATA Connector
- 1 RS232/422/485 ports and 3 R232
- Support High Definition Audio
- Support Expansion I/F with 1 PCIe Mini-Card Slot

Specifications

CPU:	Intel® Atom™ Processor (Bay Trail) E3845 1.91GHz
Cache Size:	Internal 2M L2 Cache inside the CPU
RAM Memory:	One 204-Pin SoDIMM Socket, supports Up to 8GB DDR3L RAM
VGA Display:	Intel® HD Graphics CRT-standard 15-pin D-sub connector
Ethernet:	Two Realtek RTL8111F chipset, support 10/100/1000 Base-T with RJ45 connector
SATA:	One CFAST and one SATA connector
Super I/O:	Four Serial Ports-3 RS-232 and 1 RS232/422/485
USB:	Four USB ports – 1 USB3.0 and 3 USB2.0 (2 with USB Head only)
Audio:	Provides one 12-pin 2.0mm IDC connector for High Definition Audio
Expansion I/F:	One PCIe Mini Card socket with 1 SIM card socket for Wireless/GPRS module
Watchdog:	Software programmable
RTC & CMOS RAM:	Embedded on-board Lithium battery
Speaker:	Onboard Buzzer
Power Connector:	6-pin 2.54mm JST connector
Power Req.:	+5V only, 4.63A maximum (2.94A Typical) with I/O Loads
LED Indicator:	Onboard PWR/SATA HDD LED
EMI Considered:	Add EMI components to COM ports, CRT, and USB ports
Dimensions:	145 mm x 102 mm (5.7" x 4.0")

Optional Item

AK1006- Half size mini PCIe module adapter kits. (PN: 0606010028G)
FB4706X- Audio/USB adapter Kit (P/N: 0103020022G-21, 1 FB4706 board with 2 cables)
Serial port adapter cable (P/N: 7001000100R, 10-pins JST to DB9)

Ordering Information

Model	Description	Verified OS
FB2730	Intel® Atom™ Processor (Bay Trail) E3845 1.91GHz w/4S, VGA, 2Giga-LAN, 4USB, Audio & CFAST /Mini-Card Socket	Windows 7/8/8.1, WES7, Linux



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