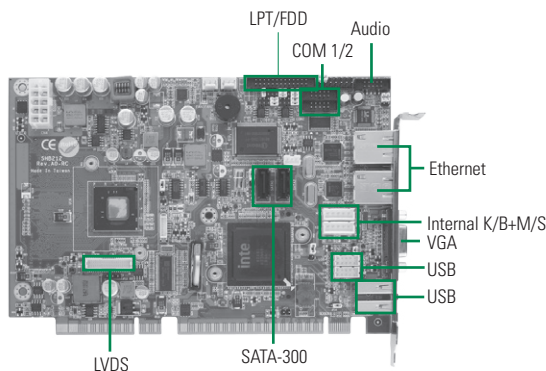


SHB212

Intel® Atom™ Processor D525 PICMG 1.3
Half-size CPU Card with Intel® ICH8M,
VGA/LVDS, Dual LANs and Audio



System

CPU	Intel® Atom™ processor D525 1.80 GHz
System Memory	1 x 204-pin SO-DIMM supports DDR3-800 max. up to 4 GB
Chipset	Intel® ICH8M
BIOS	AMI
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	4 x PCIe lanes support for 1 x PCIe x4 or 4 PCIe x1 I/O device Note: There is no PCIe x16 signal
Battery	Lithium 3V/196mAh
Power Requirements	*Intel® Atom™ D525 @ 1.8 GHz, 2 GB DDR3 +5V+SBY @ 0A, +3.3V @ 0.7A, +12V @ 1.2A
Size	185 x 126 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x FDD/LPT(default); with SPP/EPP/ECP supported 1 x PS/2 keyboard 1 x PS/2 mouse 1 x RS-232/422/485 (COM 1) 1 x RS-232 (COM 2)
SATA	2 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and support Smart Fan control
Ethernet	1st port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82567V 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574L
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	N/A

Features

- Intel® Atom™ Processor D525 (1.80 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 2 COM ports

Display

Chipset	Intel® GMA 3150 graphics core
Memory Size	Intel® DVM 4.0 compliant
Output Interface	1x VGA 1x LVDS; 18-bit single channel

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
5938450000E	COM + Print cable w/ bracket	1
593826A0000E	SATA signal cable 500 mm	1
5078E800000E	CPU heatsink with fan (for D525)	1

Ordering Information

Standard	
SHB212VGGA-D525 (P/N: E38C212102)	Intel® Atom™ D525 PICMG 1.3 Half-size CPU card with VGA/LVDS, 2 GbE LAN and audio
Optional	
593836A0030E	4-pin power cable to SATA x 2 L=150 mm
59382631000E	2 x USB 2.0 wafer cable with bracket, L=180 mm
59384500100E	Audio cable with bracket (P=2.0 mm, L=450 mm)

