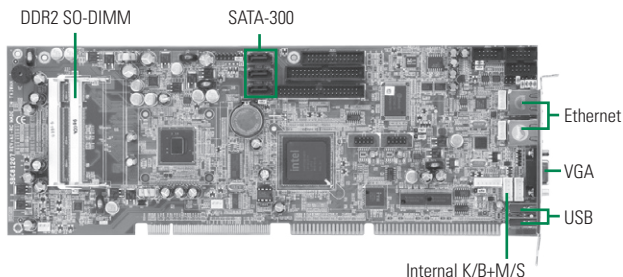


SBC81207

Intel® Atom™ Processor D510 PICMG 1.0
Full-size CPU Card with Intel® ICH8M, VGA,
Dual LANs and Audio



System

CPU	Intel® Atom™ processor D510 1.66 GHz dual core onboard
System Memory	2 x 200-pin SO-DIMM support DDR2-667/800 max. up to 4 GB
Chipset	Intel® ICH8M + ITE8888G
BIOS	AMI
SSD	1 x CompactFlash™ (optional)
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	4 x 32-bit PCI bus master 16-bit ISA bus
Battery	Lithium 3V/220 mAh
Power Requirements	*Intel® Atom™ D510, 1 GB DDR2 +5V_SBY @ 15.15mA, +3.3V @ 45mA, +5V @ 2.115A, +12V @ 404.2mA, -12V @ 22mA
Size	338 x 122 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 IDE; PATA-100; 1 x FDD 1 x PS/2 keyboard; 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 1 x RS-232 (COM 1) 1 x RS-232/422/485 (COM 2)
SATA	3 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 Realtek RTL8111DL
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

Display

Chipset	Intel® GMA 3150 graphics core
Memory Size	Intel® DVMT 4.0 compliant
Display Interface	1 x VGA

Features

- Intel® Atom™ processor D510 1.66 GHz
- 2 DDR2 SO-DIMM support up to 4 GB memory capacity
- ISA with up to 500mA high drive supported

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	Qty
59380502000E	COM + Print cable w/ bracket	1
593826A0000E	SATA signal cable 500 mm	1
50781700500E	CPU heatsink w/ fan (for D510)	1

Ordering Information

Standard

SBC81207VGGGA-D510	Intel® Atom™ D510 PICMG 1.0 full-size CPU card with VGA, 2 GbE LAN and audio
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Optional

593836A0030E	4-pin power cable to SATA x2, L=150 mm
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
59380000290E	PS/2 keyboard & mouse cable with bracket