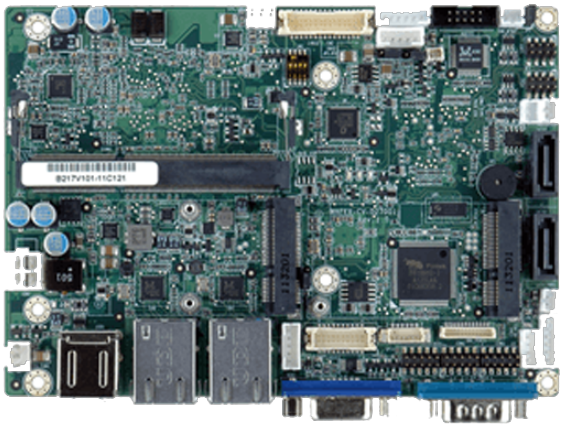
Embedded Computer > Single Board Computer > Embedded Board

WAFER-CV-D25501

3.5" SBC with Intel® Atom™ D2550/N2600 Processor



Features

» 3.5" form factor with Intel® Atom™ D2550/N2600 dual-core processor supporting DDR3/DDR3L (1.35V) memory

» 12V only single voltage design for AT/ATX power

» Open frame heatsink thermal design for fanless solutions

» Flexible VGA, 18/24-bit LVDS with dual display support

» Complete I/O: six USB, two SATA 3Gb/s, one mSATA, four COM and audio

» IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

CPU Cooler	
CPU Cooler	Heat Spreader
Display	
Display	Dual display supported
	VGA (up to 1920x1200@60Hz)
	(Due to Intel GMA driver limitation, the monitor connected to the VGA connector may not have signal to it or become extended desktop after restarting from the graphics driver installation. To solve this problem, press the Ctrl+Alt+F1 hotkey to switch the primary screen to CRT mode.)
	24-bit single-channel LVDS1 (D2550) (up to 1440x900@60Hz)
	18-bit single-channel LVDS1 (N2600/N2800) (up to 1366x768@60Hz)
	24-bit dual-channel LVD2 (up to 1920x1200 (D2550) or 1600x1200 (N2600/N2800)@60Hz)
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D2550 processor
	-20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N2600 processor
Expansion Slots	
Expansion Slots	1 x Full-size PCIe Mini card slot (support mSATA)
	1 x Half-size PCIe Mini card slot
I/O Interface	
Audio	Realtek ALC662 HD Audio codec
Digital I/O	8-bit digital I/O (4-bit input / 4-bit output)
Ethernet	Dual LAN: Realtek RTL8111E controllers
I/O Interface	5 x RS-232
	1 x RS-422/485
	4 x USB2.0
	1 x 6-pin wafer for PS/2 KB/MS
I/O Interface	
I/O Interface	3 x RS-232
	1 x RS-422/485
	6 x USB 2.0

Power	
Power consumption	12V@1.53A (1.86GHz Intel® D2550 with 1 GB DDR3 1066 MHz)
	12V@1.15A (1.6GHz Intel® N2600 with 1 GB DDR3 1066 MHz)
Storage	
Storage	2 x SATA 3Gb/s
	1 x mSATA(colay SATA2)
System	
Chipset	Intel® NM10
CPU	Intel® dual core Atom™ D2550 1.86GHz processor
	Intel® dual core Atom™ N2600 1.6GHz processor
	Intel® dual core Atom™ N2800 1.86GHz processor (optional)
CPU Socket	On board
Memory Max.	One 204-pin 1066 MHz DDR3 SDRAM SO-DIMM slot supports up to 4 GB (D2550/N2800) or 2 GB (N2600)
Watchdog Timer	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

Ordering Information

WAFER-CV-D25501-R10	3.5" SBC with Intel Atom D2550 1.86GHz,DDR3,VGA/LVDS,Dual GbE,USB 2.0,mSATA,SATA 3Gb/s,Audio and RoHS

Packing List

1 x WAFER-CV-D25501/N26001 single board computer	1 x Audio cable
1 x KB/MS cable	1 x Power cable 1 x Heat spreader
1 x RS-232 cable 1 x Mini jumper pack	1 x Screw set for PCIe Mini card
2 x SATA with 5V output cable	1 x QIG