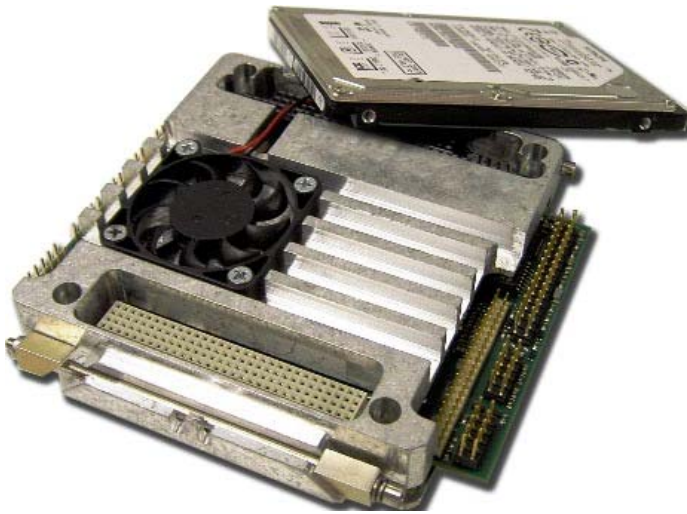




# SBC-2 PC/104 Ruggedized Computer

Ruggedized Computer



- Intel® CoreDuo/CoreSolo
- PC/104 form factor
- 1.0GHz—2.16GHz
- 256-2048MB DDR2-DRAM (666MHz)
- 80GBit Automotive Grade HDD
- 1GBit Base-T LAN
- 10/100 Base-T LAN
- 8 - USB2.0 Ports
- PATA Hard Disk Interface
- COM1, COM2, LPT1
- RTC and Watchdog timer
- Custom Thermal Plates (Passive)
- 2x SATA

The Western DataCom Single Board Computer Model SBC-2 is a PC/104 Intel DualCore ruggedized computer for mounting into the ComCase® series of chassis. The computer is based on the Intel® 945GM chipset with clock speeds up to 2.16GHz. The Intel® graphic controller is integrated into this chip set and can drive either a CRT and/or LVDS LCD. The SBC-2 comes with 2048MB of DDR2 DRAM and a 80G ruggedized automotive grade hard drive. The SBC-2 supports (8) 2.0 USB ports and two RS-232 communication ports as well as a parallel port. AC97 sound, one 10/100MBit LAN and one 1GB LAN connections. These communication and interface ports are available in distinct configurations depending upon the ComCase® chassis that is used to house this computer.

The custom thermal plates provide for passive conduction cooling and have been designed to also fit the Cisco 3200 rugged enclosure.



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FEATURES	FUNCTIONS	REMARKS	OPTIONS
Processor/CPU:	Intel Cosr(2)Duo/CoreSolo		
L2-Cache:	2048KB	CPU dependent	
Front Side Bus:	533/667 MHz	CPU dependent	
CPU-Clock:	1.07-2.16GHz		
Memory 200 Pin DDR SODIMM:	256MB-2048MB		ECC Memory Supported
Video Controller:	945GM Integrated		
Video Memory:	8MB UMA/224MB DVMT		
Video Interfaces:	VGA-Analog, CRT, LVDS		
Video Channel 1:	2048x1536		
Video Channel 2:	1600x1200		
Real Time Clock:	Yes	External Battery Required for RTC	
LAN-Controller:	INTEL-ICH7M-ext. PHY 82562GZ	Intel 573E for 10/100/1000	
AC97-Controller:	INTEL-ICH7M-AC97 V2.3	ALC655 Codec 5.1 Sound	
SMBus-Controller:	INTEL-ICH7M-SMBus		
USB2-Controller:	8 Ports v2.0		
Flash BIOS:	512KB		
BIOS:	Award		
Power Management Control:	ACPI/APM		
EIDE-Controller:	PIO 1-4 and UDMA 100*/66*/33 (SATA1/2)	Primary Master/Slave	*requires 80 conductor cable
HW-Monitor:	Via Winbond W83627HF		
Audio Output:	Stereo Output and SPDif	5.1 Support	
Audio Input:	Stereo-Line, Mic and SPDif		
Keyboard:	PS/2-USB		
Mouse:	PS/2-USB		
COM1:	RS232		
COM2:	RS232		
LPT1:	Uni/ECP/EPP	Shared with FDC	
Floppy Disk:	Available	Via LPT	
ISA-Bus:	Via Winbound W83626F	LPC-ISA-Bridge	
PCI-Bus:	V2.2	Support For 4 Masters	Spec: PC/104 Plus V2.0
Power Supply:	5Volt +/-25mV	ADL PS104CF recommended	
Power consumption:	TBD		
Operating Temperature:	TBD		
(typ. Ambient)			
Dimensions:	4.550" x 3.775"	dimensions without thermal plates	

## Western DataCom Key Partner:



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## 12-Month Limited Warranty:

Refer to the user manual for details on Western DataCom's exclusive limited warranty and extended warranty programs. Free technical support for life of product.