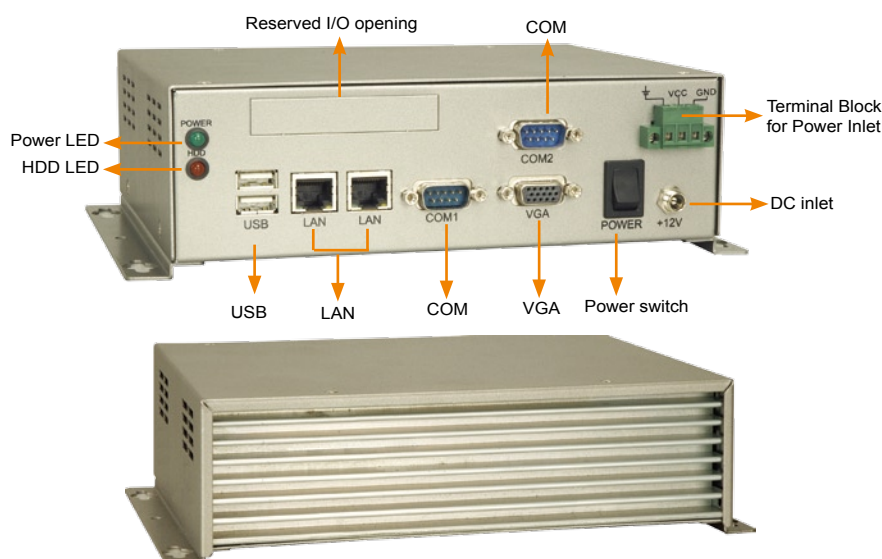


ECW-180B

3.5" WAFER Series Fanless Embedded System
With Compact Flash Slot only



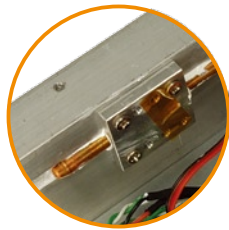
Features

- ◆ RoHS compliant design
- ◆ Fanless solutions for AMD® and VIA® processors
- ◆ Quiet operation with heat pipe thermal control
- ◆ Easy-accessible CF openings at the bottom

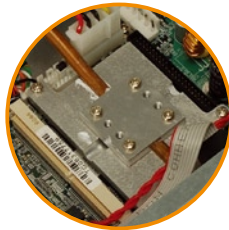
Specifications

◆ Model No.	ECW-180BS1	ECW-180BS2	ECW-180BS3	ECW-180BS4
◆ Mainboard	WAFER-LX	WAFER-GX	WAFER-LUKE	WAFER-MARK
◆ CPU	AMD® Geode® LX800 500MHz	AMD® Geode® GX466 333MHz	VIA® LUKE® 1GHz	VIA® MARK® 800MHz
◆ System Chipset	AMD® CS5536	AMD® CS5536	VIA® VT8237R+	VIA® VT82C686B
◆ System Memory	1 x 200-pin DDR 333/400MHz SO-DIMM SDRAM socket support up to 1GB	1 x 200-pin DDR 266MHz SO-DIMM SDRAM socket support up to 1GB	1 x 200-pin DDR 333/400MHz SO-DIMM SDRAM socket support up to 1GB	1x 144-pin SO-DIMM SDRAM socket support up to 512MB
◆ Ethernet	10/100Base-T dual RTL8100C	10/100Base-T dual RTL8100C	10/100/1000Base-T dual RTL8110S	10/100Base-T dual RTL8100C
◆ Display	CRT integrated in AMD® Geode LX800	CRT integrated in AMD® Geode GX466	CRT integrated in VIA® LUKE 1G	CRT integrated in VIA® MARK 800
◆ USB	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 1.1 compliant
◆ Expansion	1 x PC/104	1 x PC/104	1 x PCI-104	1 x PC/104
◆ Storage	Compact flash socket for type I/II compact flash disk			
◆ Chassis Construction	Heavy duty metal			
◆ System Cooling	Fanless with heatsink and heat pipe			
◆ Power Supply	Internal DC-to-DC power converter, input voltage: 12V DC. WD series input voltage: 9~36V DC External power adaptor, input voltage: 90VAC ~ 240VAC@50~60Hz, 45W			
◆ Operating Shock	3G acceleration peak to peak (11ms)			
◆ Operating Vibration	MIL-STD-810F 514.5C-1			
◆ Operating Temperature	0~50°C (with industrial grade compact flash)			
◆ Operation Humidity	10% ~ 90%			
◆ Color	S: Silver grey			
◆ Weight (Net/ Gross)	1.8 kg / 2.2 kg			
◆ Dimensions (DxWxH)	163mm x 200mm x 60mm			
◆ EMC	meet FCC Class A, CE			

Internal Structure of ECW-180B



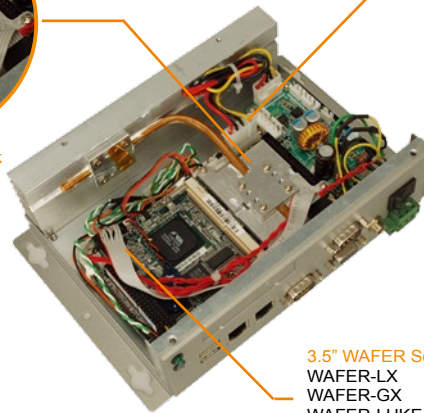
Copper Heat Pipe



Aluminum Alloy Heatsink



Aluminum Fins



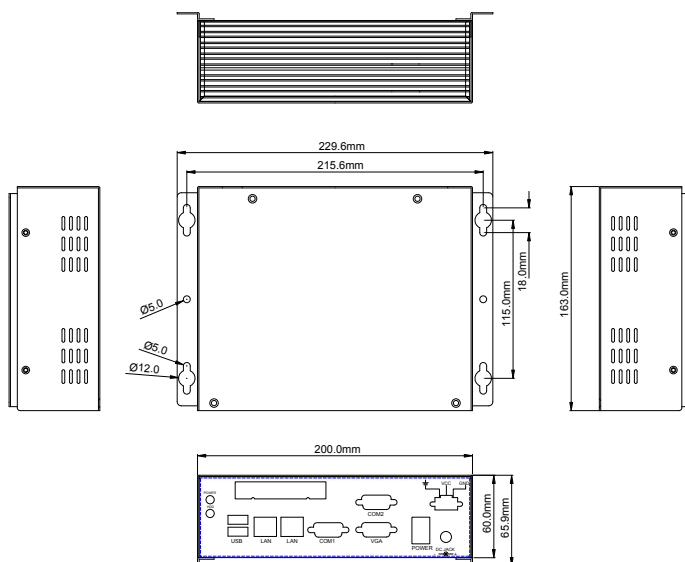
DC-to-DC Power Module
IDD-12250A
Input: 12VDC
Output: 12V@5A (pass thru.)
5V@10A (Max.)
5VSB@0.5A (Max.)



3.5" WAFER Series SBC
WAFER-LX
WAFER-GX
WAFER-LUKE
WAFER-MARK



Dimensions



ECW-180B with 9~36VDC Input

IDD-936260A

Input Range: 9V DC to 36V DC
Output: 12V@3A(Max.)
5V@10A(Max.)
5VSB@0.5A(Max.)



45W Power Adaptor

Input Range: 90~240VAC
Output: 12V@3.75A(Max.)

Ordering Information

DC 12V input

Part No.	Description
ECW-180BS1	CF only embedded system with WAFER-LX, AMD Geode LX-800 500MHz CPU, fanless, DC 12V input, silver grey, RoHS
ECW-180BS2	CF only embedded system with WAFER-GX, AMD Geode GX-466 333MHz CPU, fanless, DC 12V input, silver grey, RoHS
ECW-180BS3	CF only embedded system with WAFER-LUKE, VIA LUKE 1GHz CPU, fanless, DC 12V input, silver grey, RoHS
ECW-180BS4	CF only embedded system with WAFER-MARK, VIA MARK 800MHz CPU, fanless, DC 12V input, silver grey, RoHS

DC 9~36V input

Part No.	Description
ECW-180BS1WD	CF only embedded system with WAFER-LX, AMD Geode LX-800 500MHz CPU, fanless, DC 9~36V input, silver grey, RoHS
ECW-180BS2WD	CF only embedded system with WAFER-GX, AMD Geode GX-466 333MHz CPU, fanless, DC 9~36V input, silver grey, RoHS
ECW-180BS3WD	CF only embedded system with WAFER-LUKE, VIA LUKE 1GHz CPU, fanless, DC 9~36V input, silver grey, RoHS
ECW-180BS4WD	CF only embedded system with WAFER-MARK, VIA MARK 800MHz CPU, fanless, DC 9~36V input, silver grey, RoHS

*9~36VDC input models do not include AC-DC power adapter in package.