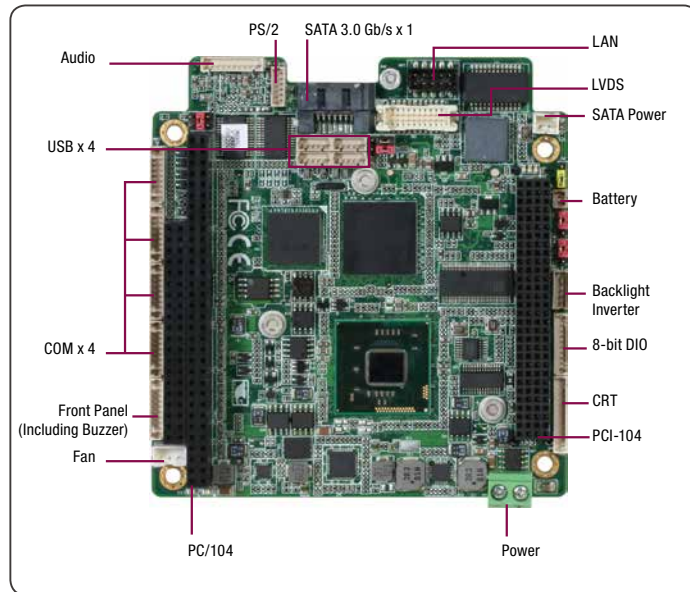


04 PFM-CVS Rev. B

PC/104 Modules

PC/104+ Module with Intel® Atom™ N2600 Processor with Intel® LAN Chip

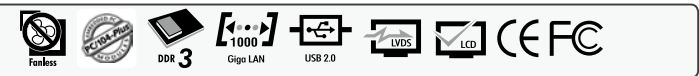


Features

- Intel® Atom™ N2600 Dual Core 1.6 GHz Processor
- Intel® Atom™ N2600 + NM10
- 204-pin DDR3 800/1066 MHz SODIMM x 1, Up to 2 GB
- 10/100/1000Base-TX Ethernet x 1
- CRT, 18-bit Single Channel LVDS LCD
- 2CH HD Audio
- SATA 3.0 Gb/s x 1
- USB2.0 x 4, COM x 4
- PC/104+ Slot, Full-Size mSATA x 1/ Mini-Card (Optional)
- +12V Only Operation
- AAEON Hi-Safe SDK/Utility Supported

Specifications

System	
Form Factor	PC/104
CPU	Intel® Atom™ N2600 Processor
CPU Frequency	1.6 GHz
Chipset	NM10
Memory Type	SODIMM DDR3
Max. Memory Capacity	2GB
BIOS	AMI
Wake on LAN	Yes
Watchdog Timer	255 Level
Power Requirement	12V
Power Supply Type	AT / ATX
Power Consumption (Typical)	14W
Dimension (L x W)	3.55" x 3.77" (90mm x 96mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) -20°F ~ 158°F (-20°C ~ 70°C) -40°F ~ 176°F (-40°C ~ 80°C) (Nice to Have)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	70,000
Certification	CE/FCC Class A
Display	
VGA/LCD Controller	CedarView integration
Video Output	CRT, LVDS
Backlight Inverter Supply	Max. 12V
I/O	
Ethernet	Intel® 82583V, 10/100/1000Base-TX x 1
Audio	—
USB Port	USB 2.0 x 4
Serial Port	RS232 x 3, RS232/422/485 x 1
Parallel Port	—
HDD Interface	SATA2 x 1
FDD Interface	—
SSD	—
Expansion Slot	PC/104-Plus, mini Card/ mSATA (switch by R)
PWM LCD Support	—
DIO	8 bit
TPM	—
Touch	—



Packing List

- 9657666600
Jumper Cap
- Product CD
- PFM-CVS Rev. B with Heatsink

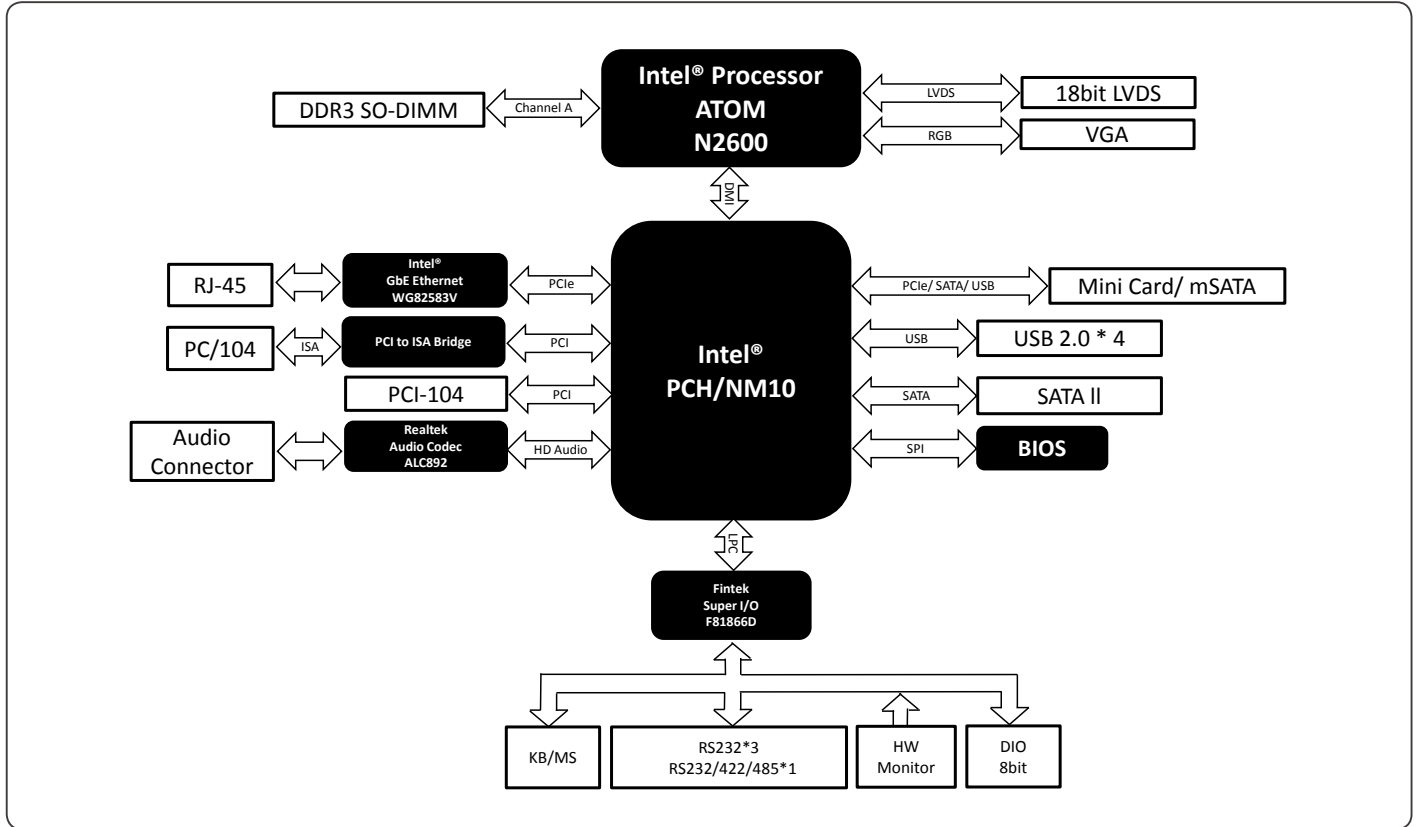
Optional Accessories

- 9681CVS000
(TF) Cable Kit for PFM-CVS

Cable Kit

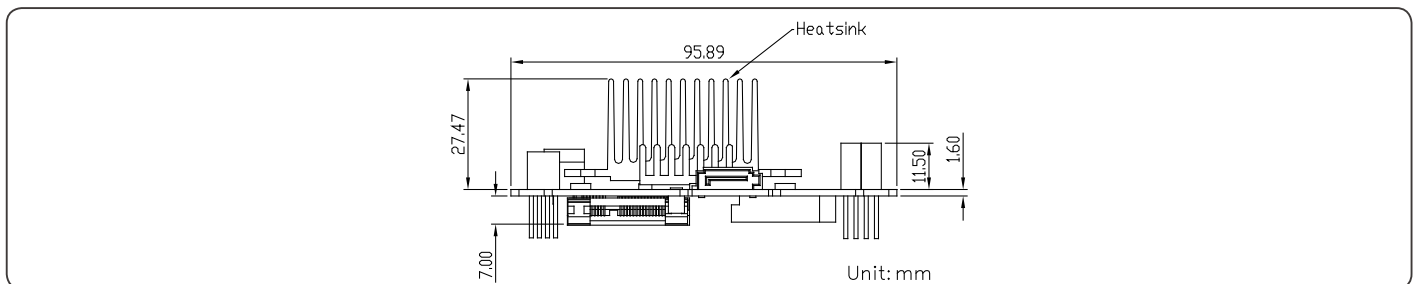
Part Number	Description	Quantity
1702002010	(TF)Power Cable, 1 x 2P Pitch=5.0mm Housing, 10cm (12V only)	1
1709150151	(TF)CRT Cable, 1 x 13P Pitch=1.25mm Housing,15cm	1
1701010150	(TF)FLAT Cable, 1 x 10P Pitch=1.25mm Housing, 15cm	1
1700100201	(TF)LAN Cable, RJ45 10P 2.0mm Housing, 20cm	1
1705050153	(TF)Inverter Cable, 1 x 5P Pitch=1.5mm Housing, 15cm	1
1700050207	(TF)USB Cable, 1 x 5P Pitch=1.25mm Housing, 20cm	4
1701090150	(TF)Flat Cable, D-Sub 9(M), 9P Housing, 9P 1.25mm pitch Housing, 15cm	4
1709070500	(TF)SATA Cable, 7P Pitch 1.27mm, 50cm	1
1702150155	(TF)Power Cable, 15P SATA (F), 2P 2.0mm Housing (PH), 15cm	1
1701100155	(TF)Flat Cable, Front Panel 10P, Pitch=1.25mm Housing, 15cm	1
1703020156	(TF)Buzzer Cable, 2P, Pitch=1.25mm Housing, 15cm	1

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/ Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
PFM-CVS-B10	Intel® Atom™ N2600	SODIMM	Fanless	SATA x 1, mSATA x 1 (Full size)	CRT + LVDS	18b, 1CH	GbE x 1	4	3	1	PC/104+	+12V, AT/ATX	0°C ~ 60°C
PFM-CVSW2-B10	Intel® Atom™ N2600	SODIMM	Fanless	SATA x 1 mSATA x 1 (Full Size)	CRT + LVDS	18b, 1CH	GbE x 1	4	3	1	PC/104+	+12V, AT/ATX	WITAS 2 (-40°C ~ 85°C)