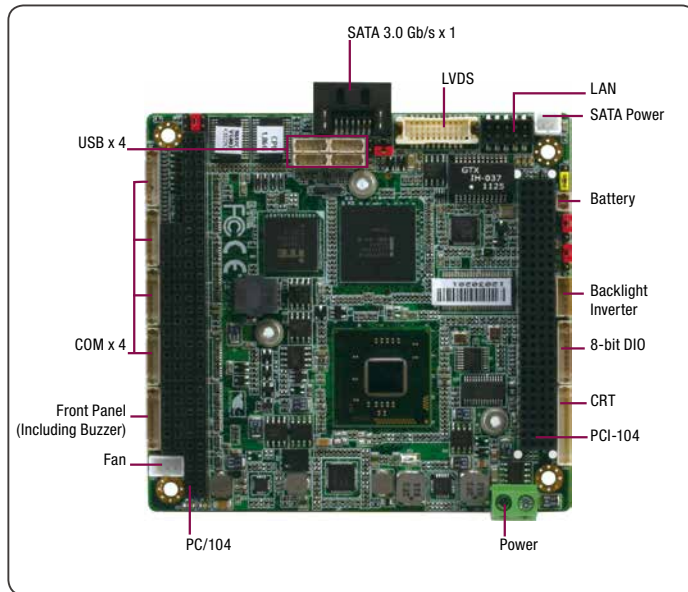


04 PFM-CVS Rev. A

PC/104 Modules

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

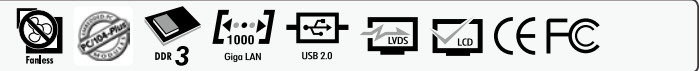


Features

- 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
- SATA 3.0 Gb/s x 1
- USB2.0 x 4, COM x 4
- PC/104+ Slot, Half-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	1.6GHz
Chipset	NM10
Memory Type	SODIMM DDR 3
Max. Memory Capacity	2GB
BIOS	AMI 32MB
Wake on LAN	Yes
Watchdog Timer	255 Level
Power Requirement	12V
Power Supply Type	AT / ATX
Power Consumption (Typical)	<15W (Atom™ 1.6 GHz, DDR3 1066 2GB)
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)	TBD
Certification	CE/FCC Class A
Display	
VGA/LCD Controller	CedarView integration
Video Output	CRT, LVDS
Backlight Inverter Supply	Max. 12V
I/O	
Ethernet	Realtek RTL 8111E, 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 +, Mini-Card/mSATA
PWM LCD Support	—
DIO	8 bit
TPM	—
Touch	—



Packing List

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

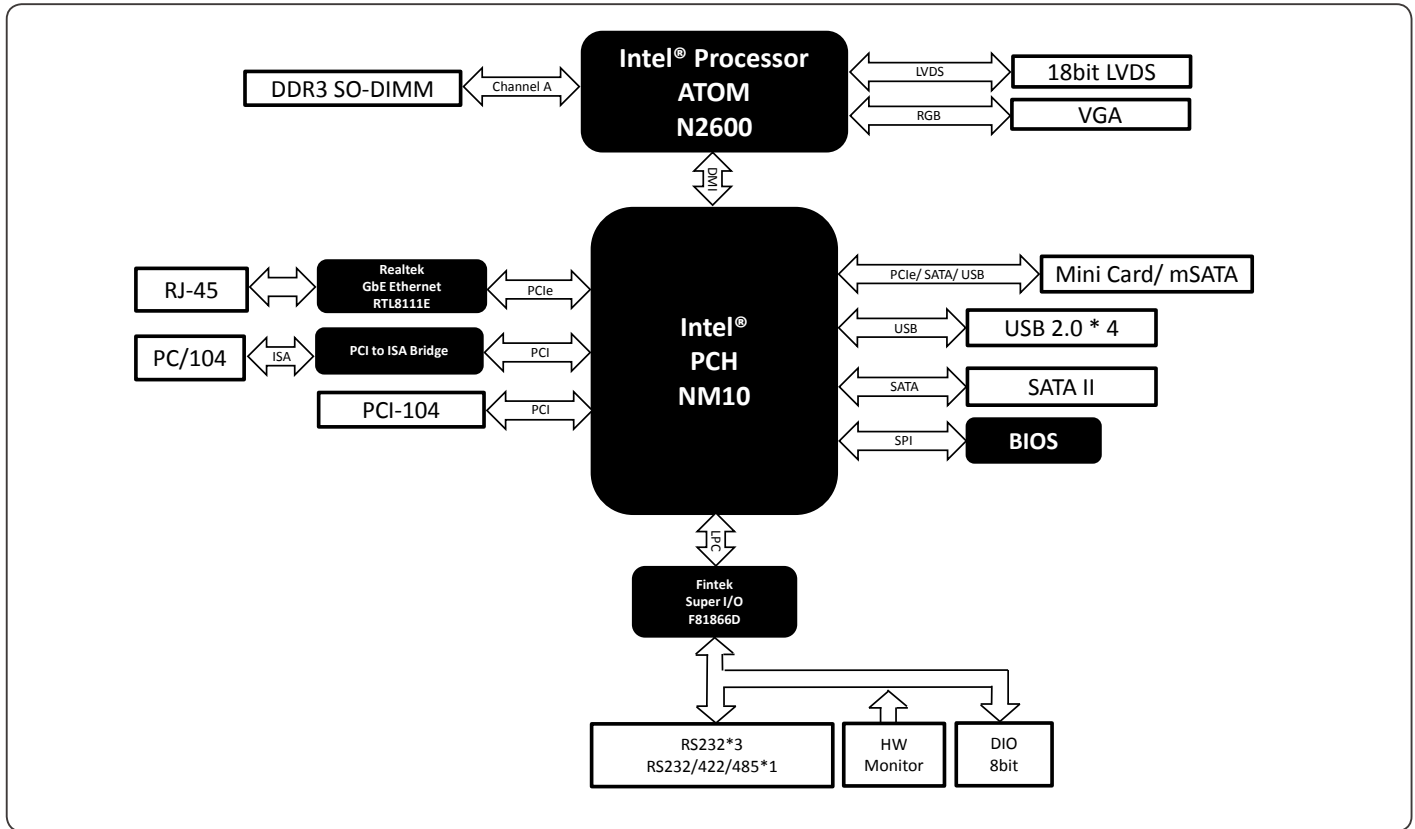
Optional Accessories

- 9681CVS000
(TF) Cable Kit for PFM-CVS-A10-10

Cable Kit

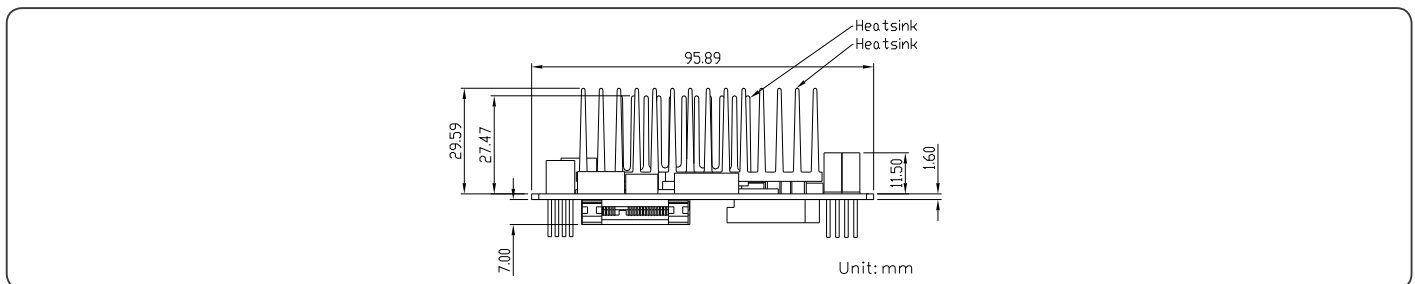
Part Number	Description	Quantity
1702002010	(TF)Power Cable, 1 x 2P Pitch=5.0mm Housing, 10cm (12V only)	1
1709150151	(TF)CRT Cable, 1 x 13P Pitch=1.25mm Housing,15cm	1
1701010150	(TF)FLAT Cable, 1 x 10P Pitch=1.25mm Housing, 15cm	1
1700100201	(TF)LAN Cable, RJ45 10P 2.0mm Housing, 20cm	1
1705050153	(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.
TF-PFM-CVS-A10-10	Intel® Atom™ N2600	SODIMM	Fanless	SATA x 1, mSATA x 1 (Half-size)	CRT + LVDS	18b, 1CH	GbE x 1	4	3	1	PC/104+	+12V, AT/ATX	0°C ~ 60°C
TF-PFM-CVSW1-A10-10	Intel® Atom™ N2600	SODIMM	Fanless	SATA x 1, mSATA x 1 (Half-size)	CRT + LVDS	18b, 1CH	GbE x 1	4	3	1	PC/104+	+12V, AT/ATX	WITAS 1 (-20°C ~ 70°C)