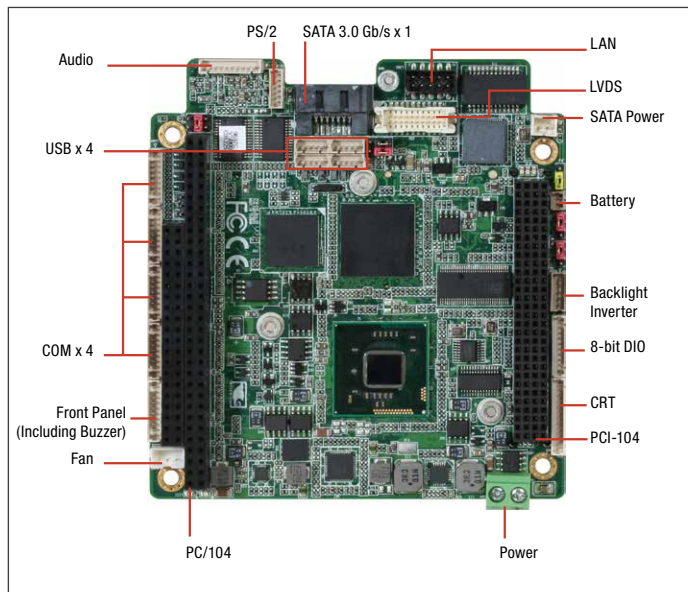


PC/104+ Module with Intel® Atom™ N2600 Processor with Intel® LAN Chip



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

- 965766600
Jumper Cap
- Product CD
- PFM-CVS Rev. B with Heatsink

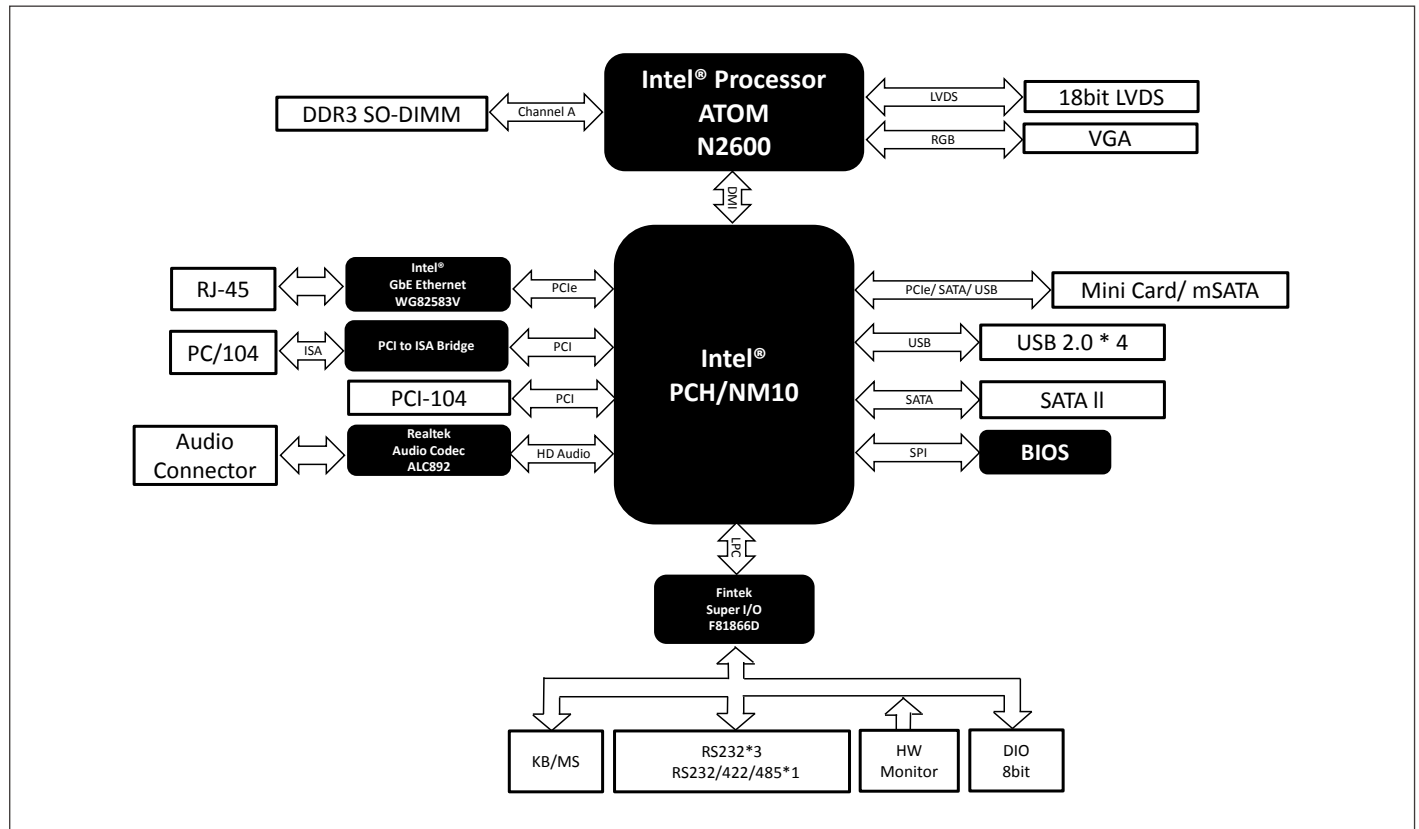
Optional Accessories

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

Cable Kit

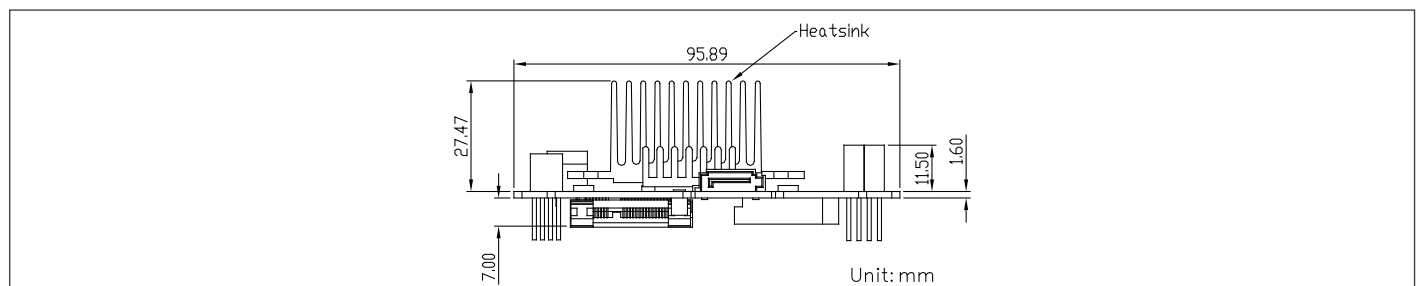
| Part Number | | Quantity |
|-------------|---|----------|
| 170200210 | (TF)Power Cable, 1 x 2P Pitch=5.0mm Housing, 10cm (12V only) | 1 |
| 1709150151 | (TF)CRT Cable, 1 x 13P Pitch=1.25mm Housing,15cm | 1 |
| 1701010150 | (TF)FLAT Cable, 1 x 10P Pitch=1.25mm Housing, 15cm | 1 |
| 1700100201 | (TF)LAN 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) |