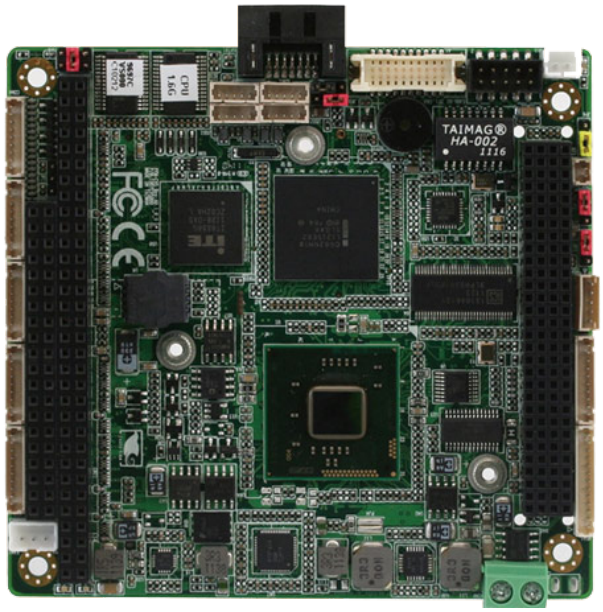
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Source URL: https://www.emacinc.com/content/pfm-cvs

PFM-CVS



True PC/104 Dimensions & Interface, 3.55" x 3.77" (90mm x 96mm)

Fanless 32°F ~ 140°F (0°C ~ 60°C) operation, Industrial Temperature Version (-20°C ~ 70°C)

Supports CRT/LCD simultaneous/ dual view displays

PC/104+ Expansion, mSATA / Mini Card (Half Size Support)

+12V Only Operation

The PFM-CVS is a fanless Single Board Computer based on the Intel Atom N2600 Dual Core 1.6 GHz processor. This low power PC/104+ module features four USB 2.0 ports, four COM ports, Gigabit Ethernet, one SATA, and one mSATA / Mini Card (optional).The PFM-CVS supports Analog VGA, 18-bit Single Channel LVDS LCD, PC/104+ expansion, and up to 2GB of DDR3 1066MHz SODIMM RAM. Users can expand the functionality with add on modules or utilize the optional Mini PCIe (Half size) expansion in place of mSATA to easily achieve greater functionality from this small yet powerful board. The PFM-CVS supports Linux, Real-Time Linux, WES 09, Windows 7, Windows XP Pro, Windows 7 Pro, and DOS 6.22. Unlike other PC/104 SBCs, the PFM-CVS maintains the true PC/104+ standard and does not require "wings". The PFM-CVS gives developers a low power high performance platform that can fit into tight spaces. PC/104+ expansion allows features to be quickly added using any of EMAC's many PC/104+ expansion modules. With industrial grade reliability, the PFM-CVS can operate continuously at temperatures from 32°F ~ 140°F (0°C ~60°C) without a fan. A wider temperature version -4°F ~ 158°F (-20°C ~ 70°C) is available. The features of the PFM-CVS provide an ideal price/performance solution for high-end, low cost commercial and industrial applications where stability and reliability (no moving parts) are essential.

Specifications

SBC Type:
Single Board Computers > 1 GHz

Processor

Processor:
Intel Atom N2600
Clock Speed:
1.6 GHz
Real Time Clock:
Processor Misc.:

Chipset: Intel® Atom™ N2600 + NM10

Memory

BIOS/ Bootloader:

AMI BIOS – 32MB ROM

Primary I/O

GPIO:

8-bit digital I/O Programmable

Video Out:

Intel® Atom™ N2600 Processor integrated graphic

Audio:

Buzzer

Ethernet:

Intel® WG82583 10/100/1000Base-TX 1x RJ-45

USB:

4x 2.0

Serial Ports:

3x RS-232

1x RS-232/422/485

Watchdog:

Primary I/O Misc.:

SATA Interface: 1x SATA 3.0Gb/s, 1x mSATA

I/O Chipset: FinTech F81866D

Secondary I/O

LPT Port:

Keypad:

PS/2:

Analog on

A/D:

D/A:

Dimensions

Dimensions:

3.55 × 3.77 in

Weight:

0.35 lb

Form Factor:

PC/104+

Power Requirements

Voltage:

12 V

Typical Current:

1.2 A

Typical Voltage:

12 V

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:
90%

Pricing
PFM-CVS
ATOM™ N2600 1.6 GHZ PC/104+, 4 COM, 1 ETH, LVDS
$288.00
Parent Product:

PFM-CVS-AC
PFM-CVS SBC with full cable kit
$364.00
Order:
0
Parent Product:

PFM-CVS-WITS
ATOM™ N2600 1.6 GHZ PC/104+, 4 COM, 1 ETH, LVDS, EXT. TEMP (NCNR)
$0.00
Parent Product:

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