

Published on EMAC Inc. (https://www.emacinc.com)

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 comparain and industrial applications where stability and reliability (no moving parts) are essential.

Single Deard Computers > 1 GHz

Processor Processor.

Intel Atom N2600

Clock Speed:

1.6 GHz

Real Time Clock:

Processor Misc.:

Chipset: Intel® AtomTM N2600 + NM10 Memory
Bios/ bootloader: AMI BIOS – 32MB ROM Grimary I/O 8-bit digital I/O Programmable Video Out: Intel® AtomTM 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 Ll Secondary I/O Keypad: PS/2: Analog on D/A: Dimensions Dimensions. $3.55 \times 3.77 \text{ in}$ Weight: 0.35 lb Form Factor: PC/104+ Power Requirements 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 Plus-cvs
ATOM TM 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:
Source URL: https://www.emacinc.com/content/pfm-cvs