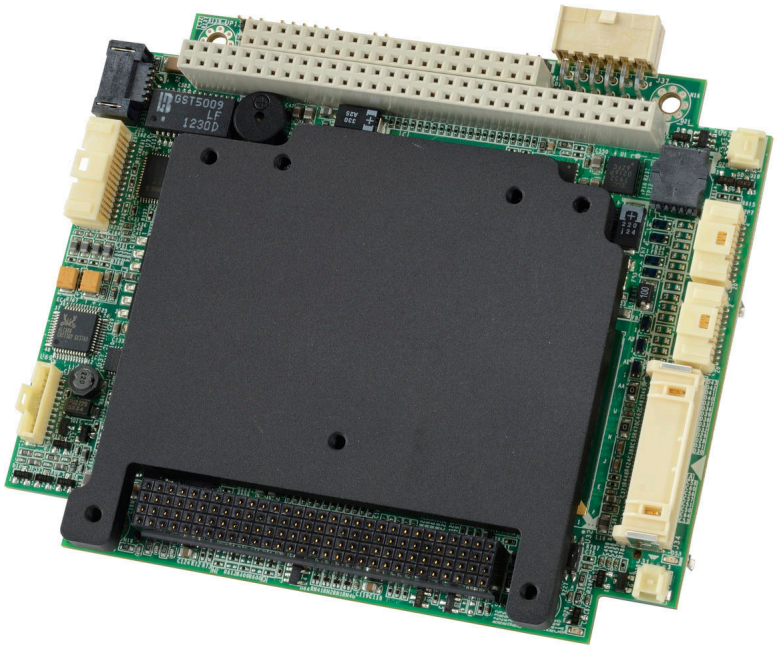
PC/104-Plus compatible single board computer powered by an Intel1.66 GHz Atom processor



WinSystems announced their PPM-C393-S, a PC/104-Plus compatible single board computer (SBC) powered by an Intel® 1.66 GHz Atom™ processor. The PPM-C393-S blends high-integration I/O with PC/104-Plus expansion for a flexible yet cost-effective solution for demanding embedded applications. This combination provides designers' access to the low power performance of Intel Atom processors and to the thousands of PC/104, PC/104-Plus, and PCI-104 modules currently available worldwide.

It is well suited for new designs and for upgrading existing applications. The PPM-C393-S' -40° to +85°C temperature operation and low power opens up applications for security, Mil/COTS, medical, transportation, data acquisition, and communications in a small, rugged, form factor proven in these industries.

The PPM-C393-S is based on Intel's single core 1.66 GHz Atom™ N455 and the ICH-8M System Controller Hub with up to 2 GB of DDR3 systems memory. The onboard I/O interface features a Gigabit Ethernet port, simultaneous CRT and LVDS flat panel video support, eight USB 2.0 ports, four serial COM ports, SATA controller, PATA controller for the CompactFlash socket, and stereo audio. The PPM-C393-S supports both PC/104 and PC/104-Plus expansion connectors to allow I/O modules to be added for even more I/O flexibility.

The PPM-C393-S requires only +5 volts and typically draws 2.5A. It supports power savings modes which will reduce the standby current to <300 mA (S3 power state). The board is RoHS-compliant.The PPM-C393-S supports Linux, Windows, and other x86-compatible real-time operating systems. Free drivers are available from the WinSystems' website.

WinSystems
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Links:
[1] http://www.WinSystems.com