

ePC-1100: Embedded PC Based Controller

Product



ePC-1100 Data Sheet (pdf file)
ePC-1100 User Manual (pdf file)

Features

- Rugged mechanical design
- Sealed enclosure against liquid and dust
- High temperature operating range
- Shock and vibration isolation mounts inside
- Fanless CPU and solid state components for harsh environment operation
- PC/104 plus computer bus, widely accepted industry standard
- Any PC/104 and PC/104 plus compatible I/O card can be added to expand capabilities
- CAN bus interface standard for mobile equipment applications
- Military MS-connectors, sealed.

Specifications

1. Enclosure	Extruded Aluminum with Shock Absorbers and Rubber Gaskets, Sealed.
2. Mechanical Dimensions (Inches)	5.5" X 5.5" X 6.25" or 5.5" X 5.5" X 9.50"
3. Operating Temperature and Humidity	-20C to 85C, 0% to 90% relative humidity, non condensing
4. Power Input	9-40 VDC 110VAC Adapter
5. CPU	Fanless, 450, 500, 650 MHz, 1.0 GHz, 1.4 GHz
6. Permanent Memory Storage	64MB – 4GB range Compact Flash
7. RAM Memory	64MB-512 MB range SDRAM
8. Communications	Serial (RS-232) Ethernet (10/100 BaseT) USB 2.0 CAN 2.0A and B
10. Operating System	Award BIOS 256 KB Flash DOS Matlab xPC Target Kernel (Other Operating Systems Available)
11. Compatibility	100% xPC and PC compatible

12. I/O Options	Number of channels
Digital Input	8 / 16 / 24 Optically isolated
Digital Output	8 / 16/24 Optically isolated
Analog Input	32 Ch/SE , 16 Ch/DE, 16-bit 64 Ch/SE , 32 Ch/DE, 16-bit
Analog Output	4 Ch/8 Ch/12 Ch, 12-bit
PWM Input	4Ch/8Ch/12Ch/16Ch, 12-bit Upto 100kHz rate
PWM Output	4Ch/8Ch/12Ch/16Ch, 12-bit Upto 100kHz rate
Incremental Encoder Input	2 Ch/4 Ch/6Ch/8Ch Upto 40MHz rate, x4 decode
LVDT Input	2 Ch/4Ch/6Ch/8Ch
Resolver Input	3 Ch/4Ch/6Ch/8 Ch
Frequency (Counter) Input	4Ch/8Ch/12Ch/16Ch Upto 10MHz rate
Frequency Output	4Ch/8Ch/12Ch/16Ch Upto 10MHz rate

Part Number for Ordering:

ePC-1100-xxx-xxx-xxx-Sx-Ex-Ux-Cx