

Hostile Environment Controller Solution

Heavy duty, rugged, industrial controller

- *Mil Std. 810 – shock , vibration and temperate rated.*
- *Mil Std. 1275 – Transient surge power protection (option)*
- *Low power - sub 5W*



Putting together 25 years experience of rugged reliability

Shock and Vibration, temperature and cost restrictions can be very difficult to overcome. For this reason Tri-M is introducing COTS controller solution. Now customers choose the reliability of Tri-M pioneer PC/104 Power Solutions along with proven CPU and communications boards.

Available with either the HE104-75W-PBF or the TPS2000 power supply (which provide Mil Std 1275 Transient suppression).

Ideal for mining, military, aerospace and transportation.

Option for IP65 also available.

Components

VDX104-1E CPU

- Vortex86DX-800Mhz
- Type1 Compact Flash Socket
- 512MB DDR2 RAM
- Operating temp -40 to 85C
- Sub 2W power draw

TCB1522 Communication Solution

- 4 Isolated RS232 ports
- Isolated RS485 Port
- 2 Isolated CANbus, (controller SJA1000)
- 2 Multi-Tech Universal Sockets
- 5 Isolated LED ports

TPS2000 Power Supply

- Mil Std 1275
- Reverse Polarity
- 8VDC - 33VDC input range

System Performance

Sub 5W power draw
Modules tested to Mil Std 810
(Shock, Vibration and extented temp)

Accessories & Options

- Linux O/S
- GPS
- WiFi
- Enclosure
- Custom end caps
- Custom Connectors

