

Embedded Calculator with 6 Ethernet links switch

Information Technology

- Up to 4 x **USB host ports** or **RS422** or insulated **RS232**
- Up to 6 x **Ethernet 100BT**
 - Up to 4 x Ethernet 100BT support **POE** (48V input externally supplied)
 - **Programmable Ethernet switch** : IGMP V2 for IP multicast filtering, VLAN support (IEEE 802.1q), Up to 1024 MAC addresses, QoS, CoS (IEEE 802.1p), 10 & 100 Mbps devices supported (IEEE 802.3 & 802.3u).
- Up to 1 x **DVI**
 - Up to 1024 x 768 at 60 Hz

Other main services

- **System time** : IRIG-B002 over RS422 or NTP over Ethernet or GPS
- **Control-Command** :
 - Up to 4 x **Dry Loop** input and 4 x output
 - SNMP or HTTP portal
 - Others on request

Recording

- Up to 32 GB **internal flash disk**
- Up to 32 GB external **rugged flash memory** (11 hours mission at 6 Mbits)
- Read-back trough USB interface, with standard **filesystem** (copy, erase). Each file (".ts") comply with a **COTS viewer**
- Recording of the **compressed audio/video/metadata output stream** is simultaneous with its generation over UDP/IP
- A rolling buffer of 10 seconds is recorded, prior to start command.

Physical features

- Dim: 240 x 190 x 90 mm (D x W x H) (without heat spreader)
- Black powder paint finished
- MIL STD-38999 connectors
- Power supply : 28 VDC (16V-36V)
- 15 - 35 Watt depending configuration
- Operating temperature: -40°C to +70°C
- Weight: <3.9 Kg
- IP65 when plugged or ended with caps
- Fully Conduction Cool



Fusion IT-B is a calculator with Switch Ethernet 6 ways. Fusion IT-B is studied for a use in harsh environment and has the advantage of being cool conduction.

The principal services of Fusion IT-B are:

- Ethernet data disc storage
- USB Monitoring
- Alarm clock CPU on Ethernet screen
- Data flows Ethernet treatment
- Multi processors for applications of treatment of the signal

Each 11/35 type connector houses 2 interfaces :

- 1 Ethernet 100BT
- 1 USB2 or 1 RS422 or 1 insulated RS232

One green LED per interface for monitoring data activity

With USB keyboard and mouse this DVI output may be used to directly control or command the Equipment.

