



Features:

- Provides total 16 E1 transparent transmission capacity ;
- With char 16*2 LCD display and SNMP agent inside.
- Provide Console manage interface(RS232)
- Provide one hotline channel for option;
- Provide two SFP fiber interfaces, one as master, the other as slave, insuring uninterrupted service transmission.
- The rate of optical port is 155Mbps, transmission range can reach 25KM, 40KM, 60KM, 80KM or 120KM;

Description:

The ITT-MU8392 is modular structure point-to-point optical transmission equipment with LCD display, uses the FPGA chips and easy to upgrade. The Main board provide 4*100M channel Ethernet data and 2 AUX port which is for transmitting other data such as RS232/RS485/RS422, two optical interface for optional 1+1 auto protection switch (APS).

4 slots of tributary with variant plug-in modules which included 4xE1 channels module, 4/8/16 x FXO/FXS module and 2x Nx64K V.35 module. The maximum capacity will be up 4 plug-in modules which could be combinations with above modules. The high flexibility, performance, is the best solution for voice/data/video services in existed market.

- Provide two fiber interface 1+1 protect (APS function ,and ALS (Automatic Laser Shutdown/Reduction) function
- Provide 4 slots plug-in modules:
 - 4×unFramed E1 module (75Ω) / (120Ω)
 - 4×Framed E1 module (75Ω) / (120Ω) ,any timeslots can be set
 - 4×FXO/FXS/EM2-4/Magnet telephone module
 - 8×FXO/FXS/2 line audio/Magnet telephone module
 - 16×FXO/FXS/2 line audio/Magnet telephone module
 - 2×V.35 (2.048M Fixed speed) module
 - 2×V.35 (N*64K N=1-32) module
 - 4×RS232/422/485 module
 - 4*E1 to FE bridge(wire speed 8.192M) module
- Provide 4FE(wire speed 100M)Ethernet channel, support mutual negotiate, Ethernet bandwidth is set on base on multiple of 32K.;
- Ethernet port supports full/half duplex, 10M/100M auto-ataptable;
- Ethernet port supports VLAN function and has 4 deviation mode for user selection;
- Ethernet package size support 1916 byte and 4 Ethernet port could be set seperately;
- Has complete alarm function and can monitor remote device status;
- Supports E1 loop from remote so as to detect and manage device conveniently;
- A variety of power supply options: AC220V, DC-48V/DC24V, etc.; support AC + DC; AC + AC; DC + DC

◆ Fiber

- Optical port: 1, 2
- Optical Fiber: Single/Dual fiber
- Fiber interface: FC/SC/ST/LC(SFP)
- Wavelength: 850nm/1310nm Multimode;
1310nm/1550nm Single mode
- Relay-free transmission distance: 20~120Km
- Typical transmit power:
- Single mode1310/1550nm: ≥ -9 dB
- Multimode850nm: -18 dBm
- Multimode1310nm: -25 dBm
- Receive sensitivity range: -28 dBm~ -40 dBm
- Physical Interface: RJ45 Support Auto-MDIX

◆ E1 interface

- Interface Standard: comply with protocol G.703
Interface Rate: $2048\text{Kb/s} \pm 50\text{ppm}$
- Interface Code: HDB3
- E1 Impedance: Unbalanced 75Ω / balanced 120Ω
- Jitter tolerance: In accord with ITU-T G.742 and G.823
- Allowed Attenuation: $0\sim 6$ dBm

◆ Working environment

- Operating temperature: $-10^{\circ}\text{C}\sim +60^{\circ}\text{C}$
- Storage temperature: $-40^{\circ}\text{C}\sim +85^{\circ}\text{C}$
- Working humidity: $0\%\sim 95\%$ (No condensation)
- MTBF: $> 100,000$ hour

◆ FXS interface

- Ringing voltage: 75V
- Ringing frequency: 25Hz
- Two-wire input impedance: 600Ω (off-hook)
- Return Loss: 20dB

◆ FXO interface

- Ring detection voltage: 35V
- Ring detection frequency: 17Hz-60Hz
- Two-wire input impedance: 600Ω (off-hook)
- Return Loss: 20 dB

◆ E&M 2/4Wire interface

- AD: 0dB
- DA: 0dB
- Two/Four-wire Impedance: 600 Ohm
- Return loss: 20 dB

◆ Magnet Phone Interface

- Ringing voltage: 75V
- Ringing frequency: 25Hz
- Two-wire input impedance: 600Ω (off-hook)
- Return Loss: 20dB



Technical Parameters:

<ul style="list-style-type: none"> • Functional Description 	<ul style="list-style-type: none"> ➤ LCD PDH, 4FE, With 4 multi-function slots, with ALS function, Console and SNMP, 1+1 Back up Optic fiber
<ul style="list-style-type: none"> • Port Description 	<ul style="list-style-type: none"> ➤ 1+1 optical port, 4 multifunction slots, 4 FE interfaces, 1*RS232 Console interface, 1*SNMP Ethernet interface, one engineering order-wire telephone interface
<ul style="list-style-type: none"> • Power 	<ul style="list-style-type: none"> ➤ Power supply: AC180V ~ 260V; DC -48V; DC +24V ➤ Power consumption: ≤10W
<ul style="list-style-type: none"> • Dimension 	<ul style="list-style-type: none"> ➤ (L × W × H) 485 * 138 * 45 mm 19 inches 1U
<ul style="list-style-type: none"> • Weight 	<ul style="list-style-type: none"> ➤ 3KG/PCS

