

Atrie Rack 416 - 16 Slot Chassis

Multi E1 to Ethernet (100BaseTx/Fx)



E1 interfaces conforming to ITU-T G.703 and G.704 proposals are provided at the end of WAN, supporting RJ45 and BNC connection modes. The E1 ports support both framing and un-framing architecture. The user can select an operating mode for the E1 interface according to the connected E1 environment. This provides flexibility of network application. In the framing mode, the E1 interface provides a rate of $N \times 64 \text{Kbps} \times N = 1 \sim 31$. In the un-framing mode, the 8/4 E1 channel provides a rate of 7.936/15.986 Mbps and accomplishes transparent transmission.

The 8/4E1/100BASE-FX Interface Converter provides plenty of self-test functions, supporting local loop and remote loop. It also provides random code test function to test error codes in the circuit.

Technical specifications

E1 interface:

Impedance 75ohm, physical interface BNC Impedance 120 ohm, physical interface RJ45

Interface rate: 2.048 Mbps

Coding: HDB3

Jitter tolerance: according with protocol G.823

Output jitter < 0.05UI

Transmission range: 300m(UTP) 600m(coaxial cable)

Ethernet interface (RJ45):

Data Rate: 10/100Mbps auto-negotiation

Standard: Compatible with IEEE802.3

Connector: RJ-45

Full duplex auto-negotiation

Ethernet interface (FO):155M fiber optic transceiver module's type

SM or MM and single or double fiber optional

Transmission range:120 Km(SM),2Km(MM) Standard 40 Km(SM)

Architecture:

Stand alone: 265mm(W) × 160mm□D□ × 44mm□H□

Rack mount: 19 in standard 4.5U cabinet;

Power supply:

Stand alone:160V~270V AC input,5V/2A output

-40V~-60V DC input,5V/2A output

Rack mount:150V~260V AC input,5V/16A□12V/1A output

38V~-58V DC input,5V/16A□12V/1A output

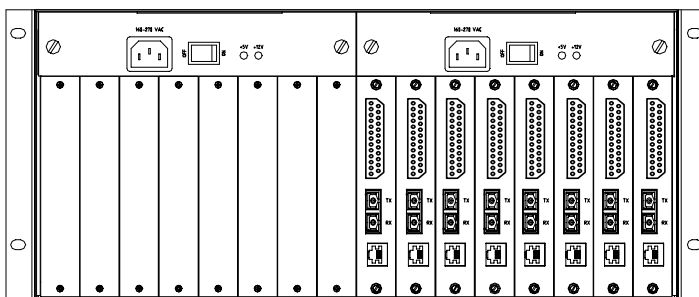
Other Specification

Operation temperature:0C 50c

Storage temperature:-20C 80C

Humidity:5% □90%(no condensation)

- Front and rear panel of the rack mount,

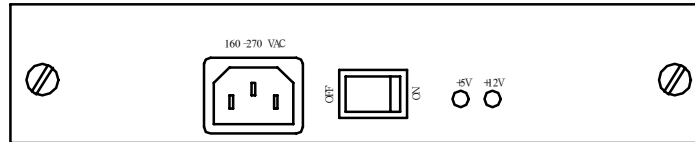


Front panel of RACK

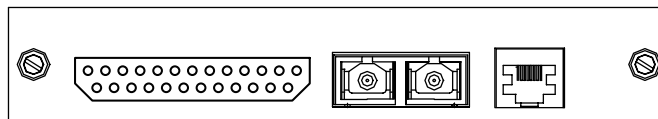
+5V: 5V main power indicator

+12V: 12V fan power indicator

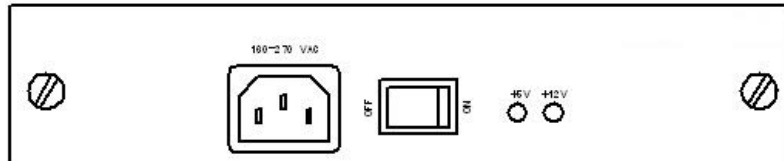
AC Power supply



Optical Ethernet Interface Converter module,

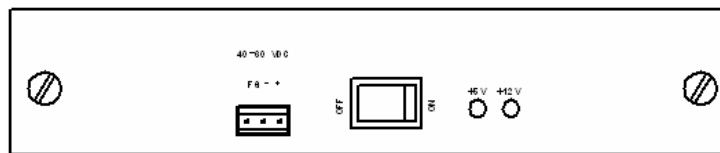


The panel of RACK/AC-DC redundant power supply.



160-270VAC: AC 220V input socket

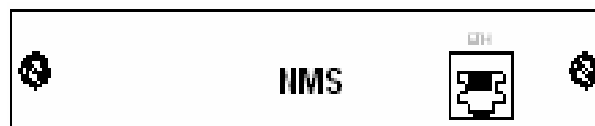
The panel of RACK/DC DC redundant power supply.



Rack/DC DC redundant power supply

40-60VDC: DC-48V connector (FG to protective GND, “-+” is the polarity of the -48V DC input)

The panel of NMS(SNMP)



Order Information

P/N	Description
ATRIE -8513M	1 port 10/100M Ethernet to 8E1 converter, module
ATRIE - 4513M	1 port 10/100M Ethernet to 4E1 converter, module
ATRIE -416	16-slot chassis, 19 inch wide, 4U high
ATRIE-416-M	Management Card for Atrie -416



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