

4U/16 port CHASSIS

Use's Reference Manual

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1. general information

1.1 product figure

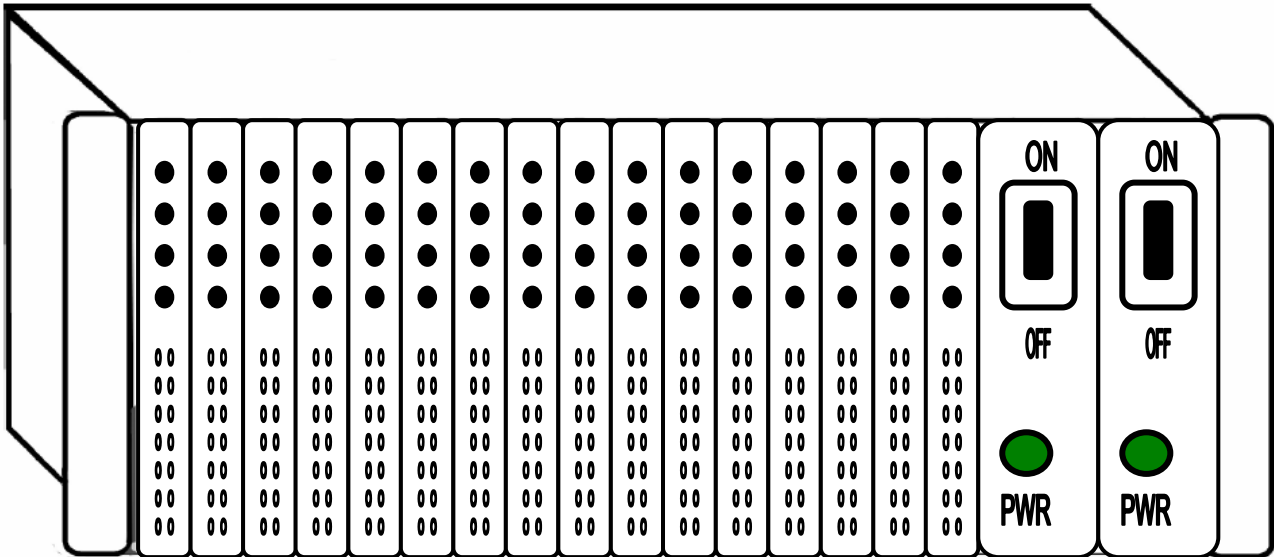
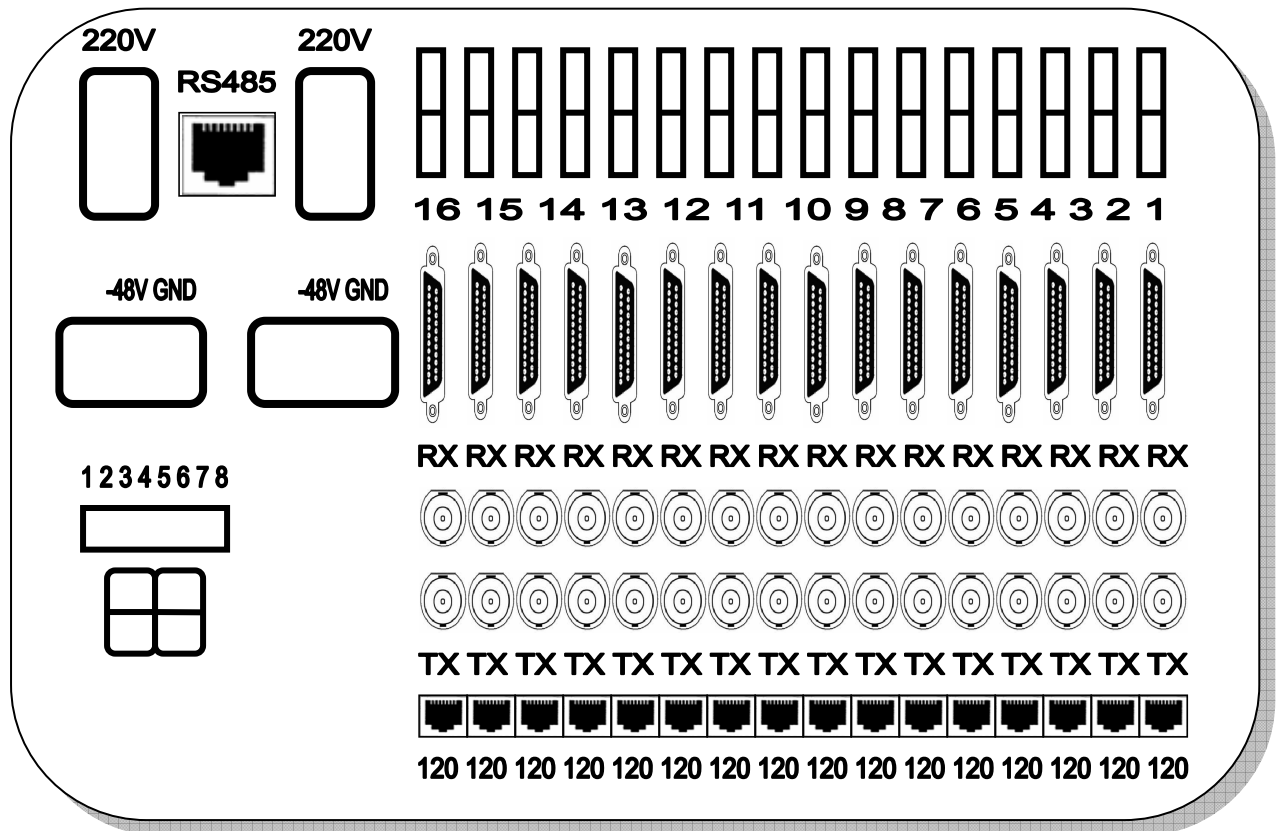


Figure 1 4U/16port chassis

1.2 function

4U /16port chassis can support for 16 interface converter card. every card could work independently and different types of interface converter card can be inserted in one chassis ;the system power supply is separated from interface converter by communication insulation technology, so that the reliability of the system can be ensured.

1.3 Rear panel



Chassis rear panel figure2

1.4 Feature

- Support all type interface converter, single channel fiber modem,;
- 19 inch standard chassis accords to air theory and has good elimination of heat;
- at maximum 16 function card can be inserted in the chassis and every card could realize conversion function;
- every function card supporting hot_plugging;
- There are two power supply slots and any power supply unit is redundant for the other. Every power supply unit can support the system work normally when the chassis is in full configuration. when the two power

supply units work at the same time, on one side ,one charges little by tapping; on the other side, if one is in failure ,the other is redundant and can support the function panel work normally in chassis;

- Support SNMP network management agreement with SNMP card for option;
- Accords to telecommunication operation level requirement and can work fault-free for over 50,000 hours.

1.5 parameter

- the maximum power parameter for input function card : DC5V/1A(5W)
- the maximum card : 16function card
- the maximum output power parameter for power module : 100W
- the maximum power module : 2
- working temperature : 0°C~50°C
- storage temperature : -40°C~70°C
- relative humidity : 5%~95%

Physical dimension 19inch 4U: 486 (L) x270 (W) x175 (H) mm

]

1.6 package

16 port chassis	1
power module	1~2
power supply wire	1
chassis user's reference manual	1
Function card	0-16
BNC	some

2. operation

2.1 slot

- From left to right ,0~16 slot for function panel and every slot support any type of chassis product.17~18 slot for power supply panel.
- The first slot could be optional for SNMP card

2.2 Rear panel

2.2.1 Composition

as figure 2 :

1)16 rectangular (upper)

It is used as fiber interface SC/FC for our modem or Ethernet interface RJ45 interface for converters.

2)DB25 plug-in

It is used as V35 interface for E1/V.35 E1/V.24 series interface converter, V.35 fiber modem. the pin arrangement for DB25 is in accordance with stand alone interface converter.

16 DB25 port are used as 4E1 BNC interface for 4E1-10/100 BT interface converter, or 4E1 optical fiber mux.

3)32 coaxial plug-in

It is used as E1 75Ω interface for E1/V.35 or E1/V.24 series interface converter or for E1 to 10/100Base-T series interface converter or E1 fiber modem, FE1 fiber modem etc. RX is input for E1 75ohm and TX is output for

E1 75ohm

4)RJ45(below)

it is used as E1 120Ωinterface for E1/V.35 or E1/V.24 series interface converter or from E1 to 10/100Base-T series interface converter or E1 fiber modem, FE1 fiber modem etc.

5)One RS485 RJ45 plug-in

It is used as chassis level connector when SNMP

6)power supply terminal

If the power supply is DC-48V, the DC-48V with polarity in chassis can test circuit automatic, so DC-48V having no polar distinguish, can optional connect DC-48V and GND. alternatingcurrent model: standard alternatingcurrent power supply wire.

7)8 DIP switch DIP1-2 as chassis address (00-15)

No.	1	2	3	4	5	6	7	8
00	ON	ON	ON	ON	...	...	...	...
01	ON	ON	ON	OFF	...	...	...	...
02	ON	ON	OFF	ON	...	...	...	...
03	ON	ON	OFF	OFF	...	...	...	...
...
15	OFF	OFF	OFF	OFF	...	...	...	...

panel card address as followings

0 chassis :address 00-15

1 chassis :address 16-31

2 chassis :address 32-47

.....

15 chassis: address 238-255

2.2.2 Rear panel interface

1. E1 interace

Impedance : 75Ω(unbalance);120Ω(balance)

Please reset as followings:

Type	1-4 Switch
120Ω	cut
75Ω	Short circuit

■ Physical interface:75Ω(BNC) RX(input) , TX(output)

120Ω(RJ45)

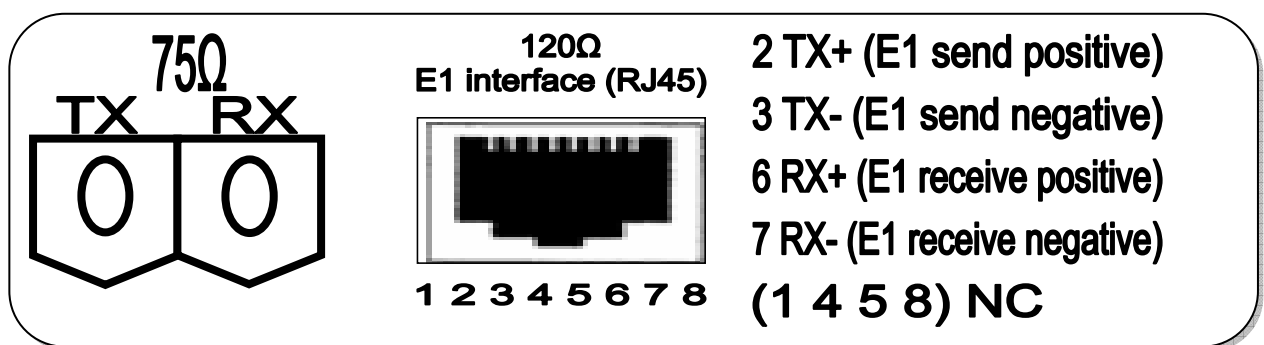


Figure 3. E1 interface pin definition

2. DB25 interface

DB25 definition as followings:

DB25 pin No	Pin name	Responding 34 standard socket pin No
1	shield	A
7	Signal	B
2	Transmitted date A	P
14	Transmitted date B	S
3	Received date A	R
16	Received date B	T
4	Request to send(ready for receiving)	C
5	Clear to send	D
6	DCE ready(DSR)	E
20	DTE Ready	H
8	Received line signal detector(DCD)	F
24	Transmit signal element timing A(DTE)	U
11	Transmit signal element timing B(DTE)	W
15	Transmit signal element timing A(DCE)	Y
12	Transmit signal element timing B(DCE)	AA
17	Receiver signal element timing A (DCE)	V
9	Receiver signal element timing B (DCE)	X

3. RS485 RJ45 port

Two chassiss can be connected by a straight line or “T”RJ45 can connect several chassiss.