



PCM multiplexer series

Model: HM-PH

Product: 4E1+4Ethernet+customized services over fiber

Humanity HM-PH PCM multiplexer can realize 4E1, 4 Ethernet and customized services over fiber. The customized services are offered by 4 extra service slots. They are mainly used in public security, military, water conservancy, electric power, oil field etc.

Main Features

- Thunder-protection
- 24hours aging for stable performance.
- Customized flexible services



Customized services besides E1 and Ethernet

Services	Channel/slot	Channel/4slots
Phone(FXO/FXS)	8channel	30channel
Hotline	8channel	30channel
n*64kbps Ethernet	1channel	4channel
RS232/RS485	4channel	16channel
2/4wire E&M	2channel	8channel
2/4 wire E&M option	2channel	8channel
2/4wire audio	4channel	16channel
Magnet phone	8channel	30channel
V.35	1channel	1channel

Specifications

<p>Optical</p> <p>Default with dual fiber, single mode, 40km, 1310nm, FC Optical module is option when in order. Rate: 150Mbps</p>	<p>E1</p> <p>4E1 Coding: HDB3 Impedance: 75 Ω or 120 Ω option Connector for 75 Ω: DB37 connector Offer DB37/BNC adaptor for 75ohm and DB37/RJ45 adaptor for 120ohm.</p>
<p>Fast Ethernet</p> <p>4 Ethernet interfaces with VLAN Share 10/100M, MDI/MDIX, full/half duplex Connector: RJ45 MAC address list capability: 1024 Frame length: 64byte~1916byte Support stream control</p>	<p>Telephone(FXO/FXS/hotline)</p> <p>Connector: RJ45 Impedance: 200 Ω +680 Ω 0.1uF Frequency character: 300-3400Hz (-0.6-+3dB) Weighted noise: \leq-65dBmop Interface loop resistance: \leq1800 Ω</p>
<p>Low speed Ethernet(option)</p> <p>Connector: RJ45 Bandwidth: NX64Kbps, N=1-30 MAC address list capability: 1024 MAC address list aging time: 5 minutes The minimum frame length: 64byte~2024byte VLAN: support VLAN transparent transmission</p>	<p>2/4 wire EM(option)</p> <p>Input impedance: 600 Ω 2 wire RX signal A/D gain: 0db; TX D/A gain: 0db; 4 wire RX A/D gain: 7-14db, TX D/A gain: +4db Tolerance common-mode voltage in audio wire: 300V CMRR: better than 55db.</p>
<p>Magnet phone(option)</p> <p>Connector: RJ45 Input impedance(normal non ringing status): 600 Ω Return loss: 40dB Frequency: 300-3400Hz (-0.6-+3dB) Ring voltage: \leq 90V Ring frequency: 20Hz to 90Hz</p>	<p>RS232(option)</p> <p>Connector: RJ45 Transmitting output voltage: \pm 15V Receiving input voltage: \pm 15V The maximum rate of transmitting and receiving: 38.4Kbps</p>
<p>RS485(option)</p> <p>Connector: RJ45 Receiver input sensitivity: maximum \pm200mV Receiver output current, IO: \pm10mA The maximum transmitting and receiving rate: 38.4Kbps</p>	<p>V.35</p> <p>Interface: DCE Connector: DB25 Rate: NX64Kbps, N=1-30</p>
<p>Console management</p> <p>Connector: RJ45 For monitor and configuration</p>	<p>Environment</p> <p>AC, DC, or AC+DC power Power consumption: \leq30W Working temperature: 0 ~ 70$^{\circ}$C Relative humidity: \leq90%(25$^{\circ}$C)</p>

Application Diagram



Order Information

Model	Product Description
HM-PH4U	4E1+4FE+multiple service over fiber multiplexer, 75ohm E1 (offer DB37/BNC adaptor)
HM-PH4B	4E1+4FE+multiple service over fiber multiplexer, 120ohm E1 (offer DB37/RJ45 adaptor)