



### **Overview**

Huahuan provides traditional PDH equipments from 1 × E1 to 16 × E1s as well as newer types with a variety of service interfaces such as V.35, Ethernet etc. Thus we can meet the latest and various demands of telecommunication operators and end users. H10MO series optical terminal equipments employs all-digital ASIC technology developed on our own, together with the patented jitter attenuation, digital phase locked loop, clock recovery and E1 interface interference immunity technologies. Auxiliary data channels and order wires of RS232, RS485 and V.35 are supported. Integrated management is supported. H10MO series are also featured as small size, lightweight, low power consumption, high interference resistance and high reliability.

### **Features**

- Adopt high reliability and low consumption ASIC chip
- Full testing and monitoring abilities for easy operation and maintenance
- Unified network management platform
- Ethernet link reaches line speed and speed limiting can be set.
- Ethernet supports 10/100M, half/full duplex auto-negotiation and HP auto-MDIX.
- Provide various power supply options (AC 220V, DC -48V, +24) and dual power supply.
- Provide SC or FC fiber interface and various fiber power budget option for short or long haul purpose as well as 1+1 protection.

## Specifications

Items	Technical Specifications			
Model and Interface	H10MO-480	16×E1/G.703		
	H10MO-240	8×E1 /G.703		
	H10MO-240B	8×E1/G.703+1 × Ethernet		
	H10MO-120+	4×E1/G.703		
	H10MO-120B	4×E1/G.703+1 × Ethernet		
	H10MOS-60	2×E1 /G.703		
	H10MOS-60AF	1×E1 /G.703+ 1×V35		
	H10MOS-60B	2×E1 /G.703+ 1 × Ethernet		
	H10MOS-30	1×E1 /G.703		
	H10MOS-30AF	1×V35		
	H10MOS-30B	1×E1 /G.703+ 1 × Ethernet		
Rack type	H10MO-1684	With 14 service slots and up to 28 service optical directions, the various modules above can be inserted into H10MO-1684 as cards		
E1 interface	Comply with ITU-T G.703 2.048Mbps±50ppm 75Ω ( coaxial ) /120Ω ( twisted pairs )			
Ethernet interface	optional	Comply with IEEE 802.3, 10/100Base-Tx Line Speed is available (speeding limiting can be set, step size is 1M)		
Optical Interfaces	Connector	SC or FC		
	Optical Spec	Item	Output (dBm)	Sensitivity (dBm)
		1310nm (standard)	-5 ~ -12	≤ -36
		1310nm (long haul, optional)	0 ~ -5	≤ -36
		1550nm (DFB, long haul, optional)	0 ~ -5	≤ -36
		Bi-directional single fiber (Optional)	-8 ~ -14 (Tx :1550nm) 0 ~ -5 (Tx :1310nm)	≤ -30
1+1 optical protection	(optional)			
Data path	Interface Data rate	One RS-485 channel and one RS-232 channel ≤116K		
Monitor and alarm	Unified network management platform			
Order wire	Hotline			
Power supply	AC	220V ( 165V~265V )		
	DC	-48V ( - 36V ~ - 72V )		
		+24V ( +18V ~ +36V )		
	Dual Power (optional)	AC(220V) and DC(-48V)		
Power consumption	Different model varies: 5W~10W			

Dimension	H10MO-480 H10MO-240 H10MO-240B H10MO-120+ H10MO-120B	W × H × D (mm): 440×44 × 138 (Different model may slight varies)
	H10MOS-30 H10MOS-30AF H10MOS-60 H10MOS-60B H10MOS-30B	W × H × D(mm):220×44×138 or 440 × 44 × 138
	H10MO-1684	W × H × D(mm):436×354×297
Installation	Rack mount, desktop, wall mount	

## Application

