

4E1 TO ETHERNET CONVERTER DATASHEET



HM-C200 4E1 to Ethernet Converter

Main Feature

- Realize Ethernet transparent transmission over 1~4 E1 circuits. The transmission speed is 7.68Mbps with the full use of 4E1.
- Abide E1 signal extra great wander, able to resist the wander of 512UI.
- E1 channel auto protect and recover.
- Built-in address list (1024) for dynamic Ethernet MAC, supply the filtration function for local data frame.
- Stand alone and chassis available for the installation.

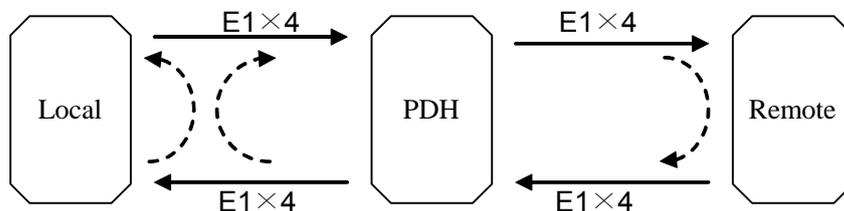
Technical Parameters

E1 interface	4 E1 interfaces
	Each E1: 2.048Mbit/s ± 50ppm
	4*E1 total with 7.68Mbps.
	Comply with ITU-T G.703
	Connector: BNC for 75Ω and RJ45 for 120Ω
	Interface impedance: 75Ω balance and 120Ω unbalance
	HDB3 coding rate

	Jitter index: comply with ITU-TG.823 standard
Ethernet interface	One Ethernet interface
	Comply with IEEE 802.1Q
	Connector: RJ45
	Auto adapt 10/100M, full/half duplex
DIP switch	SEL1: whether the other equipment is new version
	SEL2: local loop control switch (OFF: local loop)
	SEL3: remote loop control switch (OFF: remote loop)
	SEL4: E1 circuit shut down option switch
Alarm lights	POWER: power indicator light
	L1~L4: red indicates signal loss in the reference spur tack Green indicates frame loss or remote alarm (AIS)
	10/100M: indicates for 10Mbps or 100Mbps
	FDX: indicates for full duplex or half duplex
	LINK: indicates for Ethernet connection
Power supply	Voltage: Both with AC110V and DC-48V 50/60Hz
	Power consumption: $\leq 5W$
Environment	Operating temperature: -5°C~50°C
	Relative humidity: 5%~95%
Accessory	8 BNC connectors, 5RJ45 connector, mount kits for mounting in 19" rack, power cord, user manual

Local and Remote Loop

The local and remote loop is controlled by DIP SEL switch. Details as below figure.

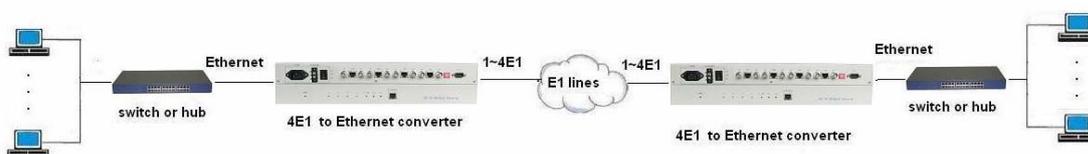


Local and remote loop figure

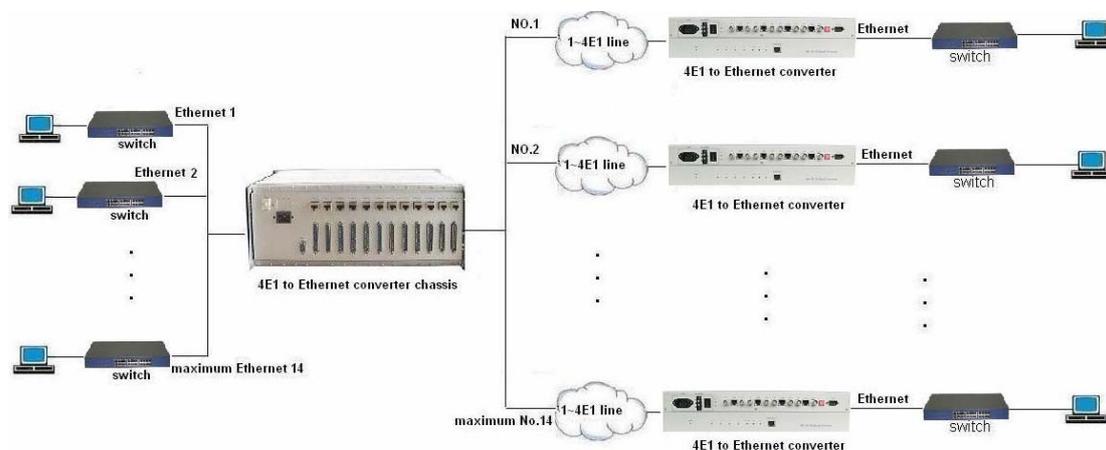
Control method:

- Local loop: dial the DIP SEL2 to make it in OFF status.
- Remote loop: dial the DIP SEL3 to make in OFF status

Typical Application



Stand alone application



Chassis application