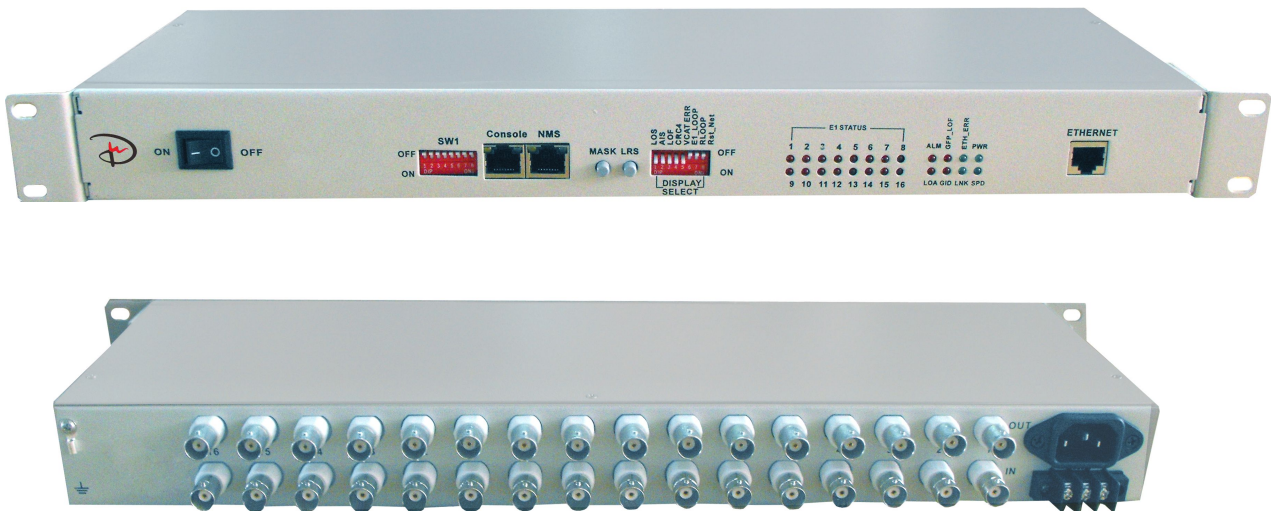




DW-PC16E1-E
16E1 to Ethernet Protocol Converter



Features

- ◆ Realize transparent transmission of Ethernet data over 1 to 16 E1 channels.
- ◆ Provide 10/100Base-T Ethernet port (100 Base-FX optional), supports VLAN.
- ◆ Allow 16 E1 channels up to 220ms transmission delay. When the delay exceeds allowed limit range, it can stop transmitting data automatically.
- ◆ Supports Dynamic Ethernet MAC address (4096) with local address filter
- ◆ Function.
- ◆ Has 2 loop back functions: E1 local loop, E1 remote loop.
- ◆ E1 interface compatible with ITU-T G.703, and G.823. not supporting signal timeslot.
- ◆ CLK mode: support internal CLK mode and E1 line CLK mode. E1 line CLK
- ◆ realizes auto-switch over the E1 line according the signal quality.
- ◆ Compatible with ITU-T protocol: G.7041 (GFP-F) , G.7042 (VCAT, LCAS), G.7043, G.8040.



- ◆ E1 loop detecting: if any channel of E1 loop detected, it will cut off the channel. And after the loop released, the channel will be renewal.
- ◆ support resetting remote system from local system.
- ◆ Support Console management and WEB management.
- ◆ Power supply: 220V power supply socket: input AC220V
- ◆ DC-48V socket/DC+24V socket: converter having power supply polar auto-detect circuit, so DC-48V/DC+24V having no polar distinguish, can optional connect -48V/+24V and GND.

Product description

DONGWE DW-PC16E1-E adopts inverse multiplexing technology that transmitting 10/100BaseTs or 10/100Base-FX Ethernet over 1~16 E1 links.

Employing Ethernet-over-PDH technique, it allows the transport of native Ethernet frames over the well-established PDH telecommunications infrastructure. This enables carriers to make use of the extensive legacy PDH and TDM equipment to provide new Ethernet-centric services.

It supports flexible configuration if 1~16 E1 links, auto-detecting the number of E1 and selecting the available channels. It allows certain delay between the multi-E1 links.

The rate of one link is 1980kbps, and 7920kbps for 4 links, 15840kbps for 8 links, 31680kbps for 16 links.



Specification:

E1 interface	
Standard	E1 interface Compatible with G.703 standard.
Rate	2.048Mbit/s \pm 50ppm
Coding	HDB3
Impedance	75 Ω (unbalance)/ 120 Ω (balance)
Connector	BNC (75 Ω)/ RJ45 (120 Ω)
Jitter Performance	According to G.742 and G.823
10/100Base-T interface	
Rate	10M/100M, full/half duplex auto-adapt.
Protocol	Support IEEE 802.3, IEEE 802.1Q (VLAN)
MAC address table	4096 MAC addresses
Ethernet buffer	64Mbits SDRAM
Physical interface	RJ45, support AUTO-MDIX (cross over and straight through auto-adapt)
10/100Base-FX	
Rate	100M, full duplex
Protocol	Support IEEE 802.3, IEEE 802.1Q (VLAN)
MAC address table	4096 MAC addresses
Ethernet buffer:	64Mbits SDRAM
Physical interface:	FC/SC
General information	
Dimension	1U/19inch: 483(W)*138(D)*44(H)
Operating environment	Voltage: AC180V ~ 240V; DC - 48V; DC +24V
	Power Consumption: \leq 5W
	Working temperature: -10° C~50° C
	Storage temperature: -40° C~70° C
	Humidity: 95 %

Note: No causticity and solvent, dust free, and no strong magnetic interference.

Ordering Information:

Part Number	Product Description
DW-PC16E1-E	Protocol Converter, 16 E1 to 10/100M Ethernet, RJ45 or BNC for E1, dual power supplies, for 19" Chassis