DW-PC4E1-E
4E1 to Ethernet Protocol Converter

Features

♦ Realize transparent Ethernet transmission in 1 to 4 E1 channels;

♦ Based on self copyright IC;

♦ 10M/100M Ethernet, full/half duplex self adapt, support VLAN.

♦ Ethernet support AUTO-MDIX(cross over and straight through self adaptive)

♦ Most transfer delay can reach 220ms between any 2 E1 channels; when exceeded, there will be an alarm and the service will be terminated;

♦ With inlaid dynamic Ethernet MAC list(4096),and local data frame filtering function;

♦ E1 is conformed to ITU-T G.703, G.704 and G.823;

♦ When transmission bandwidth increased, the Ethernet data will not be hurt; it's the same when decreased;

♦ Perfect alarm indication, local/remote alarm will all be displayed;

♦ Support the remote resetting by local;

Product description

DONGWE DW-PC4E1-E adopts reverse multiplexing technology, transfers 10M/100M Ethernet data by binding 4E1 channels. The Ethernet data is GFP encapsulation and support LCAS and LAPS.

The device achieves flexible configuration of 1~4 channels E1,and can detect E1 number and choose the available E1, some transfer delay allowed. The single line rate is 1980Kbit/s,4 up to 7872Kbit/s.

Specification:

E1 interface	
Standard	compatible with G.703 standard.
Rate	2.048Mbit/s$\pm$50ppm
Coding	HDB3
Impedance	120Ω(balanced), 75Ω(unbalanced)
Connector	RJ45(120Ω)/BNC (75Ω)
Jitter Performance	According to G.742 and G.823
Clock mode	line and internal modes
10/100Base-T	
Rate	10M/100M, full/half duplex self adaptive
Protocol	support IEEE 802.3, 802.1Q (VLAN)
MAC address table	4096 MAC addresses
Ethernet buffer	64Mbits SDRAM
Physical interface	RJ45, support AUTO-MDIX
General Information	
Dimension	212（L）×138（W）×30（H）mm
Operating environment	Voltage: AC180V ~ 265V；DC –48V；DC +24V Power Consumption:≤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-PC4E1-E	Protocol Converter, 4E1 to 10/100M Ethernet Converter, RJ45 or BNC for E1, Dual power supplies, for 19" Chassis