

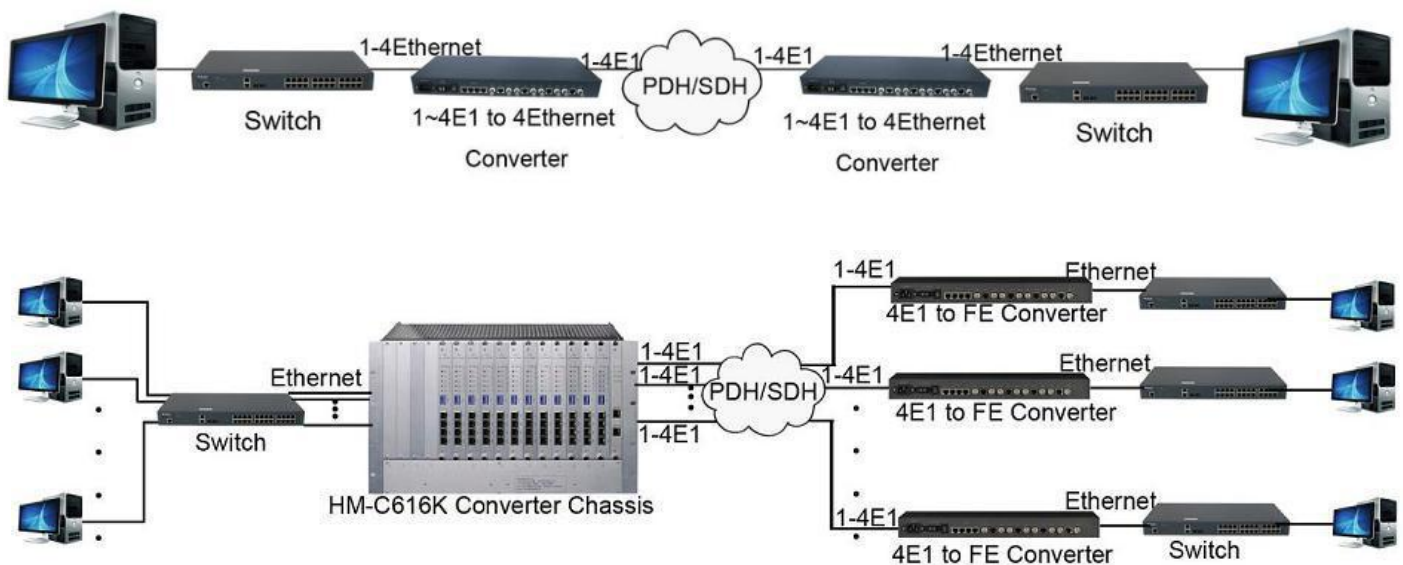
Humanity PC-C200B 4E1 to Ethernet converter realizes Ethernet transmission over 1~4E1. This model complies with GFP, VCAT, LCAS and able to work with third party device followed same protocol.

### Main Features

- Realizes Ethernet transmission over E1
- Comply with ITU-T G.7041, G.7042, G.7043, G.8040. It's able to work with third party device followed same standard ITU protocol.
- Support auto delete the fault E1 channels. Auto in use after E1 is normal.
- E1 can not connect according to serial number. In case one E1 failure, the other E1 can still work.
- For 4E1 channels, the maximum tolerable time delay difference between any two can be up to 220ms.
- Chassis type supported



### Application Diagram



## Specifications

<p><b>E1</b></p> <p>4xE1</p> <p>Connector: RJ45 and BNC</p> <p>Impedance: 120ohm and 75ohm</p> <p>Line code: HDB3</p> <p>Comply with ITU-T G.703 standard</p> <p>Jitter comply with ITU-T G.823 standard</p>	<p><b>Ethernet</b></p> <p>4xEthernet with VLAN</p> <p>Comply with IEEE802.3, IEEE802.1Q</p> <p>Connector: RJ45</p> <p>Auto adapt 10/100M, full/half duplex</p> <p>Support MDI/MDIX</p> <p>MAC address table capability: 1024</p> <p>Minimum frame length: 64bytes</p> <p>Maximum frame length: 1916bytes</p> <p>Bandwidth: <math>\approx n \times E1</math> (n=0~4)</p> <p>Default setting: <math>4 \times E1 \approx 7.92\text{Mbps}</math></p>
<p><b>LED indicators</b></p> <p>POWER</p> <p>Ethernet: LINK1-4, BT1-4</p> <p>E1: ALR, L01-L04, LOS,AIS,LOOP,LOF</p> <p>* ALR is general alarm</p> <p>* L01-L04 is for alarm E1 channel</p> <p>* LOS, AIS, LOOP,LOF alarm controlled by DIP1-2, displayed by L01-L04.</p>	<p><b>DIP switch</b></p> <p>DIP1,2: set alarm contents for L01-L04</p> <p>DIP3: set E1 loop</p> <p>DIP4: set VLAN</p>
<p><b>Button</b></p> <p>Choose Local/remote alarm</p> <p>Choose CONSOLE/SNMP management</p>	<p><b>Management</b></p> <p>Default with console management</p> <p>SNMP option, please state when in order</p>
<p><b>Power</b></p> <p>AC and DC power</p> <p>Less than 10W</p>	<p><b>Environment</b></p> <p>Working temperature: -5 ~ 50°C</p> <p>Relative humidity: <math>\leq 95\%</math>, non-condensing</p>

## Order Information

Model	Product Description
PC-C200B	4E1 to Ethernet converter, RS232 management
PC-C200BS	4E1 to Ethernet converter, RS232 and SNMP management
PC-C200BC	4E1 to Ethernet converter card, used in HM-C616K chassis
PC-C616K	6.5U 19inch, 16slots for service card and 1slot for management, SNMP option.