

## V.35/10BaseT converter (PC-FEV35)



### General information

PC-FEV35 provides conversion from V.35 to 10Base-T, is a good performance, self-study long-distance Ethernet bridge. It is of small volume and low cost and is very suitable for connection application which needs low cost equipment. It can be also used as an extender of LAN.

### Feature

- ◆ based on self-copyright IC with high-content software (core chip based on its own software);
  - ◆ WAN circuit interface: V.35 interface as DB25 connector supports DTE and DCE connection, rate auto-adaptable 0-10M for DTE and  $N \times 64K$  ( $N=1-32$ ) for DCE;
  - ◆ provides 2 kinds of loop-return function, namely V.35 self-looping at local end and 10BaseT self-looping at local end;
  - ◆ has the function of pseudo-random code testing, which brings great convenience for installation, debugging and maintenance of equipment;
  - ◆ AC220V and DC-48V for option, DC-48V power supply are not divided into positive and negative pole for simple installation and maintenance;
- completely compatible with IEEE 802.3/EthernetV.2;
  - circuit transmitting agreement: HDLC;
  - rate of filter and transmitting reaches 15,000frame/s;
  - 256 frame buffer ;
  - 10,000 MAC address LAN table ;
  - auto-study and update function ;
  - supports DTC and DCE, external clock and internal clock;

## TECHNICAL SPECIFICATION

Item	Feature
10/100Base-T Port	Rate: 10/100M, full/duplex auto-negotiation Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN) MAC Address Entries: 4096 Entries Connector: RJ45
V.35 interface	Interface Rate: n*64Kbps, n=1~31. Interface character: match V.35. Connector: DB25 (female). Interface type: DCE. *Clock: G.703 resume clock, internal clock.
Environment	The temperature requirement is not very strict, the device can be working well under the terrible environment <ul style="list-style-type: none"> <li>■ Working temperature: 0°C - 50°C</li> <li>■ Relative humidity: 95%(without coagulation)</li> <li>■ No causticity and impregnant gas, no rising dust, no strong magnetic field disturbing</li> <li>■ Adapting module power, voltage range can be wide, with strong ant-jamming function .</li> </ul> With good insulation, stable working status is available <ul style="list-style-type: none"> <li>■ Power: -48V type, input voltage: -36V~-72V</li> <li>■ Power: 220V type, input voltage: 165V~265V</li> </ul> Power consume: <5W
Dimensions	210(W) × 140 (L) x 30(H) mm

Due to continuous improvement, all products specifications are subject to change without further notice.  
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