



Introduction:

1. Overview

FBPC100 Series gives the interface conversion between G.703 E1 and V.35. This device provides an economical digital access solution for E1 and Fractional E1 network services. With a adapter cable, the Device can link to other DTE Device, such as router, at data rates of 64Kbps to 2048Kbps. User data is placed into the E1 frame, using only the required number of timeslots. Timeslot assignment is accomplished according to the Data Port speed and manual setting of DIP switches. FBPC100 Series is widely used in communication network, both in WAN and LAN connection field.

2. Features

Interface conversion between E1 and V.35

Support ITU-T V.35, G.703, G.704, G.823

Standalone and chassis module available, support hot-swap

Framed (N*64Kbps) and unframed (2.048Mbps) optional, support continuous and discontinuous timeslots setting

Frame mode support PCM30/ PCM31

CRC/non-CRC auto-negotiation on E1 interface

Support remote bandwidth control, and remote loop back under framed mode.

Support internal clock, E1 recovery clock or V.35 line clock

Provide local, diagnostic and remote loop back test.

For V.35 interface, DCE and DTE mode are optional

Comprehensive LED indicators on front panel, convenient for the diagnosis of equipment working state

16-slot, elaborate cooling design and two redundant power supply

3. Management

Support Console, WEB and SNMP management

Provide Timing Mode Setting, Loop back mode setting, Framed or Unframed mode setting clock resources selection, and etc.

Provide environment parameter monitoring, including power supply status and device operation temperature

Show details of system information, including Chassis name, location information, IP address, start-up time, software and hardware version

View & configure the working status of local and remote device, including connection status, port status

Provide user management to ensure the device operation security

4. Specifications

4.1 E1 ports Compliant with: ITU-T G.703, G.704, G.823

Rate: 2.048Mbps
Code type: HDB3
Impedance: 75 ohm unbalanced & 120 ohm balanced optional
Physical connector: BNC for unbalanced & RJ45 for balanced

4.2V.35 interface:

Compliant with V.35 standard
Rate: $n \times 64\text{Kbps}$, $n=1 \sim 32$
Physical connector: DB25 female jack
DCE & DTE optional

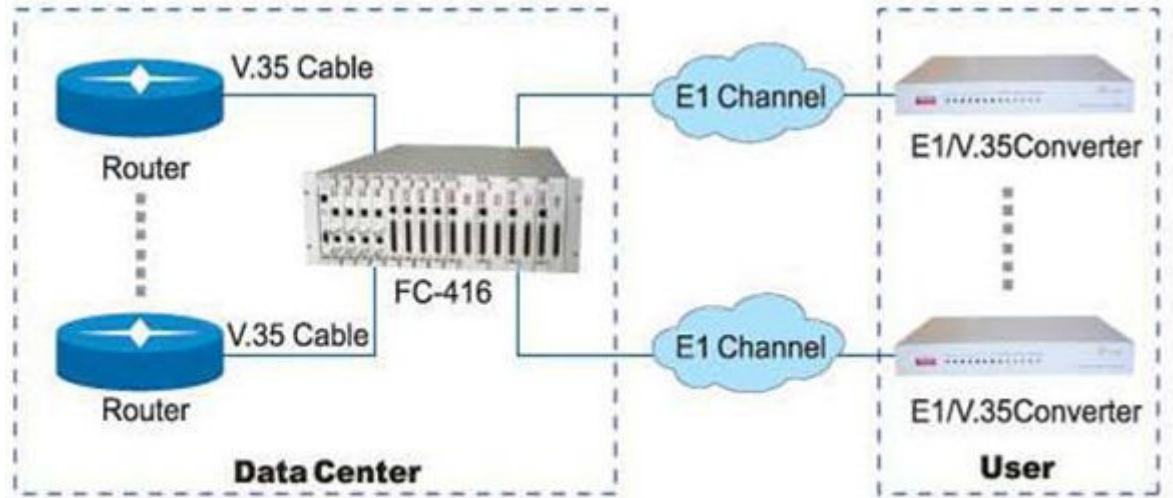
4.3Power

Power supply:
AC Power: 100V-240V, 0.4-0.2A, 50-60 Hz
DC Power: -48V, 0.4A
Power consumption <2W

4.4Environment

Operation Temperature: 0~50°C
Operation Relative Humidity: 0~90%
Store Temperature: -20~65°C
Store Relative Humidity: 0~95%

5. Typical Application



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Haberleşme sistemlerinde **yüksek performansı** yakalayın

