



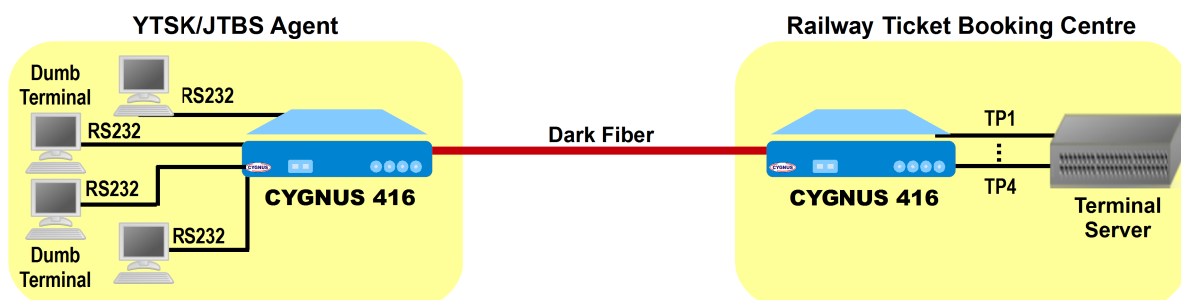
# CYGNUS 416

## 4-PORT RS232 MEDIA CONVERTER

### FEATURES

- Operates in pairs on a dedicated optical fiber link to multiplex Asynchronous Terminal Port data across the link
- Driving range: Upto 20 km on single mode optical fiber. Higher range available as an ordering time option
- Ordering time option of 2 Terminal Ports or 4 Terminal Ports
- RS232 Terminal Port speed supports upto 230K
- Automatic Terminal Port data speed handling
- Loop back facilities for quick fault isolation
- Front panel indicators for displaying unit status
- Suitable for PRS/UTS ticket booking, YTSK/JTBS Port Extension applications

### Typical Application: CYGNUS 416 used for Railway Ticket Booking (YTSK/JTBS)



Extending YTSK/JTBS linker to near by ticket booking counter, using Dark Fiber

### SPECIFICATIONS

#### OPTICAL FIBER PORT

Fiber Type: Single mode  
 Range: Up to 20 km on single mode fiber  
 Connector: SC Bi-Di  
 Wavelength: Bi-Directional operation: 1310 nm / 1550 nm  
 Mounting: Fixed

#### RS232 TERMINAL PORT

Interface: RS232 compatible (ITU-T V.24)  
 No. of ports: 4 (ordering option of 2 ports available)  
 Speed: Auto speed up-to 230 kbps maximum  
 Operation: Asynchronous  
 Connector: RJ45 socket  
 Interface signals: Transmit, Receive, Ground  
 Isolation protection: 1500 VAC isolation between RS232 ports

#### GENERAL

Size: 240 mm (w) x 180 mm (d) x 45 mm (h)  
 Power input: 230 VAC  
 Operating Temperature Range: 0°C to 50°C  
 Humidity: 0 – 85% RH. non condensing

**ORDERING INFORMATION: ORDER CODE: CYGNUS 416 / A**  
 "A" specifies No. of User Terminal Ports, "2TP" or "4TP"

**Standard Model: CYGNUS 416/4TP**

*Specifications are subject to change without notice  
 Ref.: 221122*

#### DIAGNOSTICS AND LED INDICATORS

Diagnostic Switches: Local Loop back; Digital Loop back; Remote Loop back Request  
 LED Indicators: General: Power, Test Status  
 Fiber related: Fiber Link Status, Alarm  
 Terminal Port related: Activity



### CYGNUS MICROSYSTEMS (P) LIMITED

93, IDA Phase II, Cherlapally, Hyderabad 500051, India  
 Tel: +91 (40) 2726 1327

URL: [www.cygnusmicro.com](http://www.cygnusmicro.com) e-mail: [mktg@cygnusmicro.com](mailto:mktg@cygnusmicro.com)

ISO 9001 : 2015  
 Registered