



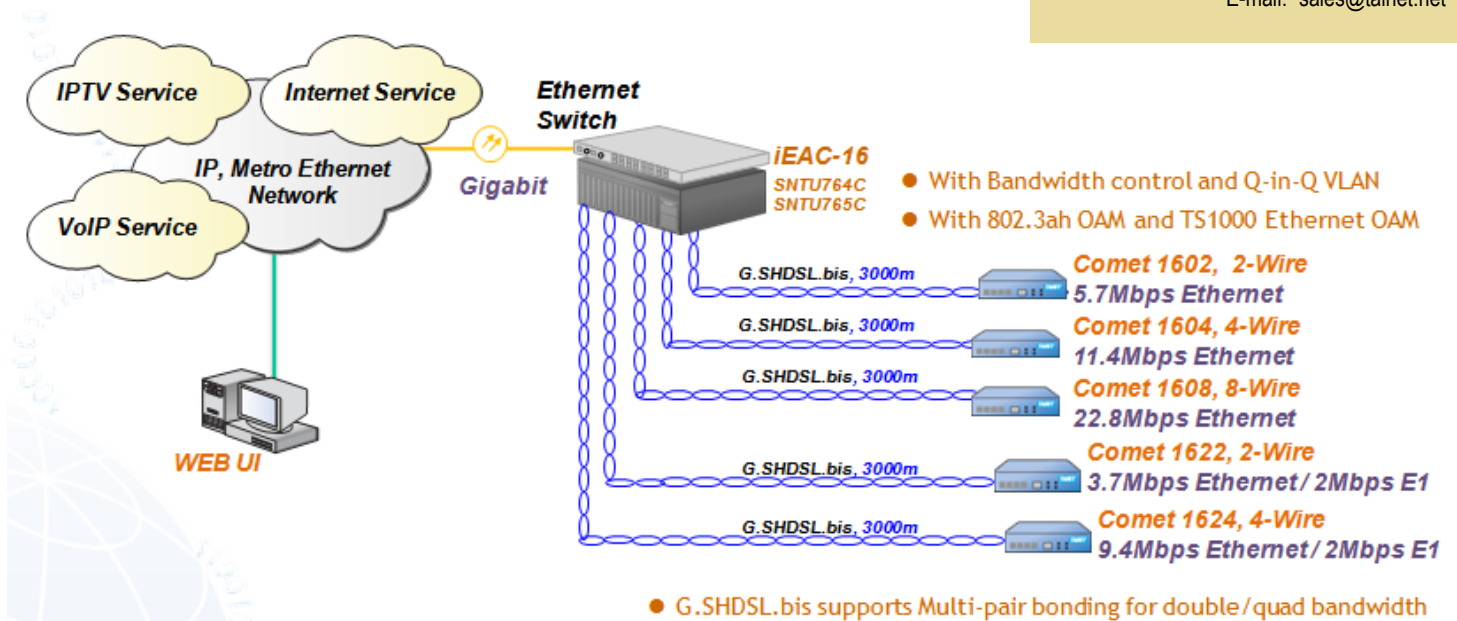
- SNTU765C is a line card type which can work within iEAC-16 chassis
- Supports EFM and TDM Dual Bearer Mode
- Point to point Ethernet and E1 extension over multiple G.SHDSL.bis copper lines
- The interfaces E1 and Ethernet can work simultaneously
- Compliant with IEEE 802.3ah EFM 2Base-TL bonding technology
- Compliant with ITU-T G.991.2 standard, TC-PAM 16/32/64/128 line coding
- 1 or 2 pairs G.SHDSL.bis with 5.7Mbps per pairs
- Supports extension rate up to 15Mbps over a single pair of copper
- CO and CPE mode selectable
- Automatic line rate selection with Line Probe enabled
- Front panel status LED indicators for easy monitoring
- Easy installation with console, Telnet, WEB GUI and SNMP
- Front panel test button with BERT for easy loop diagnostic
- Provides extensive diagnostics, including loopback, G.SHDSL.bis and E1 performance monitoring
- Easy software upgrade for field-deployed units via TFTP
- DSL line protection for data transmission
- Ethernet switching and bridging with VLAN prioritization and QoS
- Optional temperature-controlled FAN
- Optional Ethernet port surge protection
- Supports security-link

TAINET's SNTU765C which takes advantage of the latest G.SHDSL.bis standard, is a mini-terminal enabling the transport of traffic from Ethernet and E1 interface with speed 5.7M/11.4M over EFM bonded 2/4 wires G.SHDSL.bis link.

SNTU765C supports high-speed dedicated symmetrical data transmission and utilizes DSL bandwidth. The automatic line rate can be up to 5.7Mbps over 2-wire copper line. Along with time-slot assignment feature, SNTU765C also provide multiple user interfaces for TDM traffic including E1 also with Ethernet traffic together.

SNTU765C is a perfect solution for Telecom Carriers, Service Providers and business users. To reduce operation/management burden, SNTU765C within iEAC-16 can control and monitor remote unit via Embedded Operation Channel (EOC) by following ITU-T G.991.2. Administrators can also easily configure SNTU765C through Telnet, Web/HTTP or through SNMP agent.





Model

- SNTU765C(Line card), 4-wire, 1 E1 G.703, 1 Ethernet port

Line Interface - G.SHDSL.bis

- Type: 4-wire
- Standard: ITU-T G.991.2, ETSI 101 524
- Bonding protocol: IEEE 802.3ah EFM 2Base-TL
- Line rate: n x 64Kbps, n=3~89 (2w), 6~178 (4w)
- Connector: 1xRJ-45
- Line coding: TC-PAM 16/32/64/128
- Impedance: 135 Ω
- ITU K.21 compliant

DTE Interface - Ethernet

- Ethernet type: 10/100 BaseT
- Connector: RJ-45
- Supports 802.3x flow control
- Auto-MDI/MDIX detection
- Auto-negotiation for speed and duplex
- Full duplex / Half duplex support

DTE Interface - E1

- Data Rate: 2.048 Mbps
- Connector: RJ-45 for balanced E1 120 Ω (Optional external convert cable for unbalanced 75 Ω)
- Line coding: HDB3
- Framing: Framed /Framed+CRC /Unframed
- Compliance: ITU-T G.703, G.704, G.706 and G.732
- Jitter Performance: compliant with ITU-T G.823

Timing Source Function

- Synchronous and Plesiochronous dual clock mode
- Internal clock
- Received clock from DSL line
- External clock from E1 interface

Ethernet L2 function

- Supports 802.1d transparent bridge function
- Supports Bridge filter function based on source MAC addresses
- Scalable per port bandwidth control (Step = 64K, up to 100M)
- 2K MAC learning address
- Ethernet packet length up to 1664 bytes
- Supports 802.3x flow control
- Provides 802.1q VLAN tagging
- Supports 802.1p QoS facility

Management

- Configuration via craft port VT-100, Telnet, WEB GUI and SNMP
- Multiple Web browsers supported: IE, Firefox, Chrome
- Console: DB9 connector (RS232C)
- Support remote management
- Independent Local and Remote loopback for E1 port diagnostic
- Support Performance Monitoring function
- Front panel test button for easy loop healthy testing
- Front panel reset to default button

LED Indicators

- SNTU765C: PWR, TST, ALM, DSL, E1, ETH LNK/SPD
- Dual color LED for easy status monitoring

Dimension

- 84(W) x 171(D) x 24(H) mm

Operating Environment

- Operation Temperature: 0 °C ~ 50 °C
- Storage Temperature: -40 °C ~ 70 °C
- Humidity: 90%, non-condensing