SNTU 764 Series

EFM G.SHDSL.bis

➢ Interoperability with Comet 160x series
➢ Point to point Ethernet extension over multiple G.SHDSL.bis copper lines
➢ 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, 2 or 4 pairs G.SHDSL.bis with 5.7Mbps per pairs
➢ Support extension rate up to 60Mbps over 4 pairs 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 for easy loop diagnostic
➢ Provides extensive diagnostics, including loopback, G.SHDSL.bis 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

TAINET's SNTU764 series, which takes advantage of the latest G.SHDSL.bis standard, is a mini-terminal enabling the transport of traffic from Ethernet interface over 15M/30M/60M bps G.SHDSL.bis link.

The SNTU764 series is a EFM G.SHDSL.bis transmission equipment for FE signal extension, aggregate FE channel into a G.SHDSL.bis link. The automatic line rate can be up to 15Mbps over 2-wire cooper line. Embedded Operation Channel (EOC) is built between local and remote sides for system configuration, testing, performance and alarm monitoring of E/FE channel and G.SHDSL.bis link.

SNTU764 is a series of G.SHDSL modems and routers adopting TC-PAM 16/32/64/128 line coding.

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Model

- SNTU 764S/2W, line card type, G.shdsl.bis NTU, 2-wire,1 FE
- SNTU 764S/4W, line card type, G.shdsl.bis NTU, 4-wire, 1 FE
- SNTU 764S/8W, line card type, G.shdsl.bis NTU, 8-wire,1 FE
- Interoperability with stand alone Comet 160x series
  - Comet 1602, stand alone, 2-wire, 4 FE
  - Comet 1604, stand alone, 4-wire, 4 FE
  - Comet 1608, stand alone, 8-wire, 4 FE

Network Interface - G.SHDSL.bis

- Type: 2, 4 or 8-wire
- Standard: ITU-T G.991.2, ETSI 101 524
- Bonding protocol: IEEE 802.3ah EFM 2Base-TL
- Line rate: n x 64Kbps, n=3~239(2w), 6~478(4w), 12~956(8w)
- Connector: 1xRJ-45
- Line coding: TC-PAM 16/32/64/128
- Impedance: 135 W
- ITU K.21 compliant

User Interface

- Ethernet type: 10/100 Base-T
- Connector: 1 x RJ-45
- Support 802.3x flow control
- Auto-MDI/MDIX detection, Full duplex / Half duplex support
- Auto-negotiation for speed and duplex

Timing Source Function

- Synchronous and Plesiochronous dual clock mode
- Internal clock, Received clock from DSL line

Ethernet L2 function

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

Management

- Configuration via craft port VT-100, Telnet, WEB GUI
- Multiple Web browsers supported: IE, Firefox, Chrome
- Support remote management
- Local and Remote loopback for diagnostic
- Support Performance Monitoring function
- Front panel test button for easily loop healthy testing
- Front panel reset to default button

LED Indicators

- SNTU series:
  - PWR, CO, ALM, TST, L1~L4, ETH LNK/SPD

Power Requirement

- AC/DC, DC/DC external power adapter (12V, 1A)
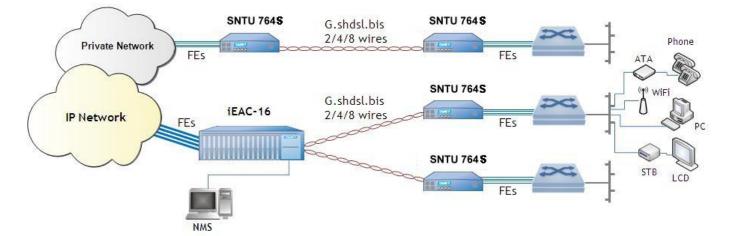
Dimension

- SNTU 764C: 84(W) x 168(D) x 24(H) mm

Operating Environment

- Operation Temperature: 0 ^{o}C ~ 50 ^{o}C
- Storage Temperature: -20 ^{o}C ~ 70 ^{o}C

Note:

Features and specifications are subject to change without prior notice.

Carrier/Service Provider/Enterprise/Utility