

Ascend

FAQ

DSL TNT

What is a DSLTNT?

DSLNT™ is part of Ascend's MultiDSL™ family of products and is a fully-integrated, multiservice xDSL concentrator which was designed mainly for a Telephone company's Central Office (CO). Ascend's DSLTNT permits telephone companies (RBOCs), CLECs, CAPs and ISPs to offer various xDSL services such as IDSL, SDSL, RADSL-CAP and RADSL-DMT using a single platform.

It consists of up to two AC or DC power supplies for load sharing and redundancy, one main controller card and 16-slots for MultiDSL line cards and/or network interface cards.

How is a DSLTNT different from a MAX TNT?

DSLNT is an xDSL concentrator and is designed, packaged and priced for xDSL services from the central office while the MAX TNT is a WAN access switch.

Can we use the MAX TNT cards with DSLTNT?

Yes. You can use all of the MAX TNT™ cards with DSLTNT except modem cards.

What are the various cards applicable to a DSLTNT?

MultiDSL line cards: 32-port IDSL line card, 16-port SDSL line card and 6-port RADSL-CAP card and the upcoming RADSL-DMT line card.

Network interface cards: DS-3, T1/PRI, E1/PRI, Frame line cards, 10Base-T, 100Base-T, HSSI cards and HDLC cards.

What does a basic DSLTNT chassis come with?

A 14" chassis, 1 AC or DC power supply, one main controller module and support for RADSL line cards, network interface cards and Frame Relay option.

How can we upgrade the DSLTNT to support other MultiDSL line cards and modem cards?

Since the base chassis supports RADSL line cards, the DSLTNT may be upgraded to add support for IDSL and SDSL cards using appropriate softkey (also known as 'hash code').

There is an IDSL hash code and an SDSL hash code which include ISDN signaling software as well.

What is a MultiDSL family of products?

Ascend's MultiDSL family of products consist of Central Office Equipment (COE) and Customer Premises Equipment (CPE) needed to support xDSL services.

The COE includes :

- DSLTNT (IDSL, SDSL, RADSL-CAP and RADSL-DMT)
- MAX TNT (IDSL, SDSL, RADSL-CAP and RADSL-DMT)
- MAX 4000/4002/4004 (IDSL)



The CPE includes:

- Pipeline® (IDSL)
- DSLPipe™-S (SDSL)
- DSLPipe-C (RADSL-CAP)
- DSLPipe-D (RADSL-DMT)
- DSLPipe-2S (2 port SDSL)

Is the DSLTNT NEBS-compliant?

DSLNT is undergoing NEBS- (Level-3) compliant testing and is expected to be compliant by October 1997.

What are the port densities of the DSLTNT on a 7-foot rack?

DSLNT has the following port densities on a 7-foot rack:

- Up to 1344 IDSL ports per 7-foot rack
- Up to 1440 SDSL ports per 7-foot rack
- Up to 540 RADSL-CAP ports per 7-foot rack

What are the port densities of a single 14" high DSLTNT chassis?

- Up to 224 IDSL ports per 14" DSLTNT chassis
- Up to 240 SDSL ports per 14" DSLTNT chassis
- Up to 90 RADSL-CAP ports per 14" DSLTNT chassis

What are the port density of various MultiDSL line cards?

- 32 ports per IDSL line card
- 16 ports per SDSL line card
- 6 ports per RADSL-CAP line card

What are the power consumption of the various MultiDSL line cards on a DSLTNT?

- 0.5 watts per IDSL port
- 1.25 watts per SDSL port
- 5.0 watts per RADSL-CAP port

What are the various protocols supported on a DSLTNT?

TCP/IP, IPX, Appletalk, Frame Relay, PPP, Multilink PPP (MP), Multilink Protocol Plus (MP+)

Can the DSLTNT seamlessly fit into existing authentication infrastructure such as RADIUS?

Yes. DSLTNT supports various authentication servers such as RADIUS, UNIX password file, PAP, CHAP, TACACS, TACACS+ and token card security.

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