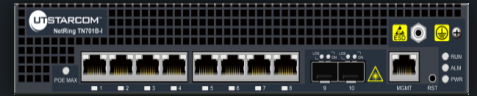




NetRing® TN701B

8 PoE Gigabit Ports Plus 2 SFP Gigabit Ports

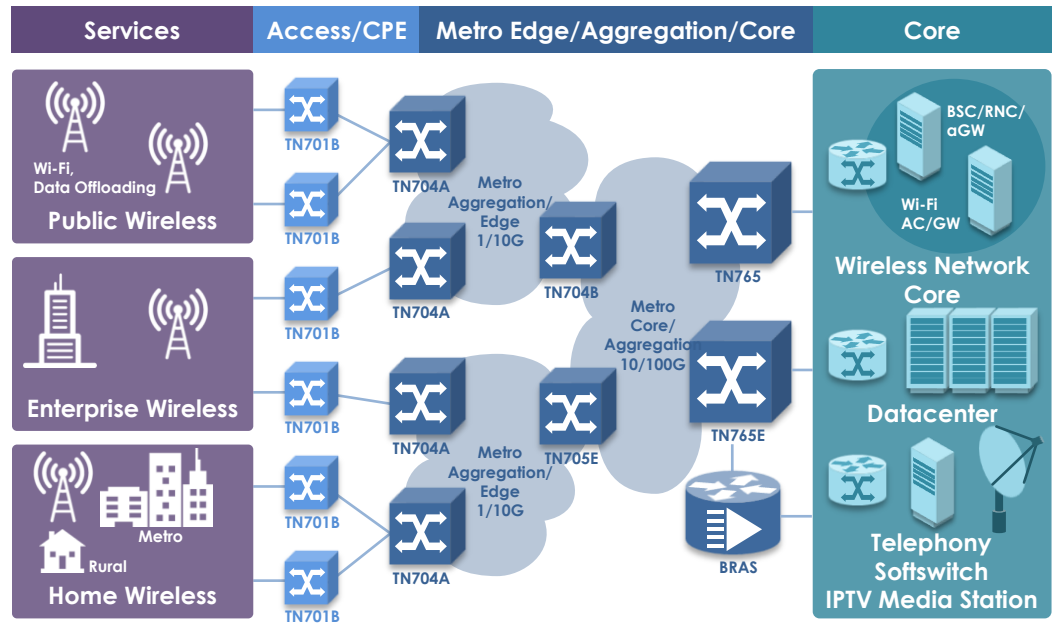
BEST SOLUTION FOR PACKET SWITCH
TRANSPORT OF WIRELESS ACCESS NETWORK



Key Features

- MPLS-TP BASED
- POE SWITCH
- CARRIER CLASS DESIGN
- SMALL FOOTPRINT
- VPLS/H-VPLS SUPPORT
- QUALITY OF SERVICE
- UNIFIED MANAGEMENT

Unified Services Packet Transport Access Device



Description

The rapid growth of mobile and cloud-based services, on-demand media streaming and social networking, as well as fast emergence of new applications and services, sets new requirements not only for considerably higher volumes of traffic, but also makes it essential for operators to be able to adapt their telecom infrastructure and respond very fast to deliver these dynamic changing services to users at anywhere and anytime. The ever-increasing number and importance of data centers are also pushing telecom operators to build more dynamic and automated metro

network to support on-demand, instantaneous connectivity from data center cloud to end users.

Based on Pseudo Wire over MPLS-TP technology, UTStarcom's NetRing® TN701B enable carriers to offer new services with guaranteed QoS and SLA enforcement. At the same time TN701B provides 8 Gigabit electrical ports with PoE capability that are IEEE 802.3af and 802.3at standards compliant and allow connectivity to Ethernet-powered devices. With PoE support TN701B eliminates the need for wall power to each PoE-enabled device and eliminates the cost for

additional electrical cable and circuits that would otherwise be necessary for WiFi access points or IP phone field deployment.

TN701B, together with our other products in the TN portfolio, provides optimal network solutions at the access layer of a MAN and substantially reduce the operational cost. TN701B is the best solution for WiFi access points access or metro access network.

See more carrier-class solutions online at www.utstar.com

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A global telecom infrastructure provider of innovative carrier-class broadband transport and access solutions.

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8 PoE Gigabit Ports Plus 2 SFP Gigabit Ports



**BEST SOLUTION FOR PACKET SWITCH
TRANSPORT OF WIRELESS ACCESS NETWORK**

General Information

SYSTEM CHASSIS

| | |
|---------------------------------|---|
| Dimensions | 300x44.45x210mm WxHxD |
| Operation temperature | -40 °C to 65 °C |
| Operation humidity | 5% to 95% non-condensing |
| AC Power supply | 100V~240V input |
| Power consumption | 127 W maximum |
| Application Installation | Indoor, Outdoor Wall-mountable or Table-placement |

STANDARDS

IETF RFC 2597, RFC 2598, RFC 2698, RFC 2998, RFC 3031, RFC 3032, RFC 3270, RFC 3443, RFC 3813, RFC 3916, RFC 3985, RFC 4115, RFC 4197, RFC 4378, RFC 4379, RFC 4385, RFC 4448, RFC 4553, RFC 4664, RFC 4717, RFC 4816, RFC 4842, RFC 5254, RFC 5462, RFC 5586, RFC 5654, RFC 5659, RFC 5860, RFC 5921, RFC 5960, RFC 6073

IEEE 802.3, 1588V2, 802.1ad, 802.1ag, 802.1p, 802.1q, 802.3ah

ITU-T G.664, G.703, G.7041/Y.1303, G.707, G.773, G.774, G.775, G.783, G.8011, G.8011.1, G.8011.2, G.8011.3, G.8011.4, G.8011.5, G.805, G.806, G.809, G.8110/Y.1370, G.8110.1/Y.1370.1, G.8112/Y.1371, G.8113.1, G.8113.2*, G.8121/Y.1381, G.8121.1/Y.1381.1, G.8121.2/Y.1381.2*, G.813, G.8131/Y.1382, G.8151/Y.1374, G.823, G.825, G.826, G.8261, G.8262, G.8264, G.828, G.841, G.957, Y.1710, Y.1711, Y.1714, Y.1720, Y.1730, Y.1731

REGULATORY COMPLIANCE

CE, VCCI, FCC Part 15, NEBS* certification
Operating conditions: ETS 300 019, Class 3.2
Storage conditions: ETS 300 019, Class 1.2
Transportation conditions: ETS 300 019, Class 2.3

Technical Specifications

Access Capacity

| Interface | Max. ports per shelf |
|-----------------------|----------------------|
| GE | 2 (SFP) |
| FE/GE with PoE | 8 (RJ45) |

Packet Processing Capacity

10Gbps full duplex switching fabric

MPLS-TP Features

Max. 256 LSP + 256 PW per device

EXP-Inferred-PSC LSPs (E-LSP)

Label-only-Inferred-PSC LSPs (L-LSP)

Per platform Label space support

Bi-directional MPLS-TP trail and Uni-directional MPLS-TP trail

Diff-Serv support:

8 service levels for Ethernet traffic

QoS support: classification, mapping, metering, scheduling, congestion management

MPLS-TP OAM including protection switching (G.8113.1)

EMS/SNMS manual control the setup and release of PW and LSP

PoE Power Management

Support IEEE 802.3at/802.3af

PoE power budget: 107W

Power dynamic allocation

Green power management

Ethernet Features

32K MAC address table

IEEE 802.3 Ethernet

IEEE 802.1D MAC Bridges

IEEE 802.1Q VLANs - Including .1p Priority

IEEE 802.3ad Link Aggregation Control Protocol (LACP)

IEEE 802.1AD Q-in-Q

ACL (Access control list)

Jumbo Frames to 9216 bytes

Port mirroring: ingress/egress

MEF Ethernet Services: E-Line, E-tree, E-LAN

Per VSI MAC Learning Control

Protection Schemes

Network 1:1 Linear Protection for LSP

Protection LACP for FE/GE client ports

LPT (Link Failure Pass Through)

Network Linear, Star, Ring

Topology

Carrier-class Network Management

Easy-to-use GUI

Configuration Management

Fault Management

Performance Management

User Security Management

Log record

High Available and Disaster Tolerance solution

Standard CORBA interface

Layered framework and architecture

* Denotes features available in a future release.

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