



- > data
- > voice
- > video

*IntelliPOP WAN
modules assure
customers that
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the IntelliPOP Service
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IntelliPOP® WAN Modules

Enabling Direct Cost-Effective Connectivity



IntelliPOP WAN Modules

The IntelliPOP WAN modules enable direct cost-effective connectivity of IntelliPOP Service Gateways (TUT5212/TUT5224) to an external Wide Area Network (WAN).

These modules assure customers that they can customize the IntelliPOP Service Gateway to best suit their specific connectivity requirements. These modules replace external WAN connectivity equipment such as CSU/DSU, or routers supporting T1 and DS3 which are considerably more expensive, consume additional rack space, and require a separate management interface. IntelliPOP WAN modules integrate directly into the WAN slot of the IntelliPOP Service Gateway.

To accommodate customers who have invested in WAN bridges, CSU/DSUs, and routers, Tut has developed a standard High-Speed Serial Interface (HSSI), and 10/100Base-T Ethernet WAN modules to provision multiple services from existing WAN equipment.

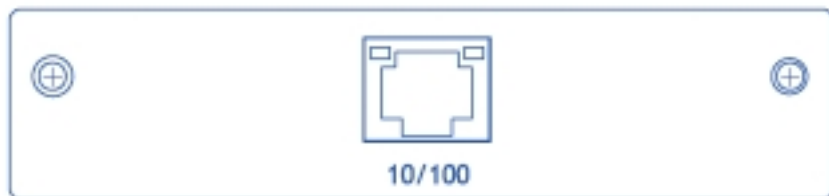
The 10/100Base-T module adds to an integrated single 10/100 Base-T Ethernet port present on the TUT5212 and TUT5224 gateway, and supports the cascading of multiple gateways for large scale applications.

Features and Benefits:

- Integrated Router, Bridge, CSU/DSU function within a single multi-port VDSL Gateway.
- 12 or 24 ports of VDSL up to 26Mbps each
- Multi-port T1 and DS3 WAN modules
- 10/100Base-T module enables two Ethernet ports per gateway
- Ease of installation, low cost and saves rack space

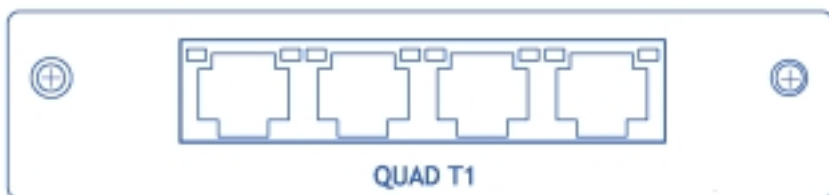
Specifications:

- 10/100 Ethernet Module: Part# 68100:
number of ports/module = 1
- Quad T1 WAN Module: Part# 68101:
number of ports/module = 4
- DS3 WAN Module: Part# 68103:
number of ports/module = 3 Rx/Tx pairs
- HSSI WAN Module: Part# 68400:
number of ports/module = 1



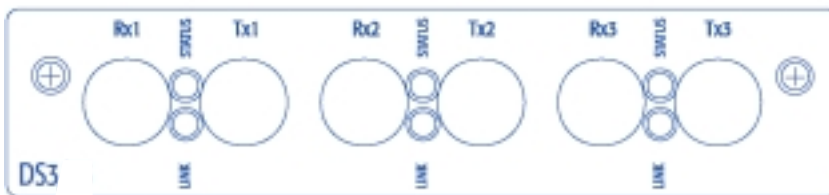
10/100 Ethernet Module: Part# 68100:

- Auto-negotiation of half and full duplex 10base-T and 100base-T
- Expands Service Gateway to 2x 10/100 ports



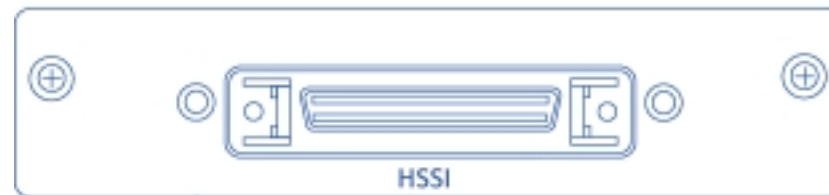
Quad T1 WAN Module: Part# 68101:

- Supports PPP and ML-PPP
- Fractional T-1 supported
- CSU, DSX, AMI or B8ZS
- ESF or D4 framing
- Link, and enabled LED



DS3 WAN Module: Part# 68103:

- Up to 44.7 Mbps per pair
- B8ZS encoding supported
- Supports ATM service digital communication used to transmit voice, video, and data traffic
- Complies with UNI 3.1, CBR, RTVBR, NRTVBR, UBRT, UBR



HSSI WAN Module: Part# 68400:

- Up to 52 Mbps
- Supports PPP connections to CSU/DSU
- Receive/Transmit LED

About Tut Systems, Inc.

Tut Systems, Inc. (Nasdaq: TUTS) is the leading provider of next-generation, full-service VDSL systems optimized for provisioning broadband services within multi-tenant unit properties (MTUs) such as hotels, apartments, student residences and commercial buildings. Tut's IP switching platforms combine advanced technology in multi-layer real-time content switching, high-speed packet forwarding and MTU-tuned transmission lines. Tut's systems use the existing copper wiring in buildings to simultaneously deliver multiple broadband services such as advanced data, Internet access, high-quality voice and video. More information on Tut and its products, including international availability, can be found at <http://www.tutsystems.com>, or by contacting Tut's US headquarters in Pleasanton, California, at +1-925-460-3900 or 800-998-4888. Investor queries should be directed to 800-486-1241.

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