

T5000

Designed to bring WAN reliability and higher bandwidth to large data centers and call centers.



The T5000 is the newest addition to the Mercury suite. Designed for the higher bandwidth requirements of large data centers and call centers, T5000 is offered in two different software configurations:

T5000H	Designed for large data centers and call centers, T5000H supports aggregation of WAN bandwidth up to 3 Gbps uplink/3 Gbps downlink (3 Gbps full-duplex)
T5000L	Designed for data centers and call centers, T5000L supports aggregation of WAN bandwidth up to 1 Gbps uplink/1 Gbps downlink (1 Gbps full-duplex)

The upgrade from T5000L to T5000H is a software upgrade, ensuring investment preservation.

When architecting a network that includes Talari's solution, it is important for a network team to select the right size appliance to support their organization's network size, bandwidth requirements and application demand. The following features of the T5000 are critical in making that decision.

Network Control Node

The T5000H and T5000L can act as a Network Control Node (NCN), the master controller and central point of administration for the other APN clients. The NCN's primary purpose is to establish and utilize a Conduit with one or more Talari Client Nodes across the network for enterprise site-to-site communications. A particular NCN can administer and have conduits to multiple Client Nodes.

Small Packet Performance

The T5000 hardware design and software are optimized for networks carrying large numbers of small packets, which can be typical of networks with a large preponderance of VoIP or VDI traffic. While bandwidth requirements are key when comparing Talari call center appliances, another key consideration is small packet performance, and the T5000H offers four times (4x) performance with small packets over the Talari T3000H.

High-Availability

For enterprises looking to centralize more services at their data centers, predictable application performance over a cost effective WAN infrastructure and high reliability are key requirements. The T5000 High-Availability functionality eliminates the APN appliance as a single point of failure in the network by providing complete redundancy between two Talari appliances. The pre-designated "standby" appliance monitors the state of the "active" appliance and, in the event of a failure, takes over all APN services. Using a Redundant APN Control Protocol (RACP), the Talari High Availability system can detect a failure in the active appliance and switch over all functions to the standby appliance in a fraction of a second, in a way that is transparent to most active applications.

Geographic Redundancy

With the Geographic Redundancy feature, an APN Client Node can also function as a secondary Network Control Node. In the event of a primary data center failure, the backup data center should be operational and the secondary Talari appliance would act as the NCN for APN.

Specifications

Ethernet Ports

- Auto-sensing 10/100/1000
- Four pairs of fail-to-wire

Management

- Serial console port
- Management Ethernet port

Power

- 100/240 volts
- 50-60 Hz
- 500 Watts (redundant)

Physical Dimensions

- EIA RS-310 standard 2U
- 437mm (W) x 650mm (D) x 89mm (H)
(17.2" x 25.6" x 3.5")

Mounting

- Rack mount sliding rails (included)

System LEDs

- Power
- SSD Activity

Link LEDs

- Link Activity
- Link Speed

LCD

- 2x16



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