

ONPATH 2900 SERIES.

SCALABLE. MULTI-PROTOCOL. LEGACY COMPATIBLE.

2900 FAMILY FEATURES AND BENEFITS

- Automated connections are instantaneous and guaranteed
- Scalability from 16 to >100,000 ports starting from just 1RU
- Port speed flexibility ranging from <1Mbps to >100Gbps
- Hybrid Layer 1 and Layers 2-4 packet switching fabric in single platform
- Hybrid electrical and all-optical non-blocking switch fabric with no cross-talk
- Software-configurable TAP ports for flexible monitoring tool use
- Packet filtering, aggregation, and multicast
- Media and WDM conversion for distance extension
- Ultra-low latency (< 100ns typ.) for time sensitive applications
- Circuit confirmation and logging for simple tracking and reporting
- Local & remote control, monitoring and fault isolation via software
- Redundant, modular systems design for 99.999% availability

ONPATH's 2900 is a family of network switching products that automates and secures data center and test infrastructure.

The platform helps network managers save time, increase utilization, and save money compared to manual patching, static TAPS, SPAN ports, or complex mesh switching architectures.

ONPATH's patented 3-stage switching technology is the heart of the 2900 platform, providing the industry's most scalable and reliable switching system of up to 4,096 non-blocking and over 100,000 meshed ports.

The HorizON management and monitoring software offers the highest security and integrated diagnostics to simplify connectivity management with point-and-click provisioning and full remote control of the 2900 system.

2900 PLATFORM

The ONPATH 2900 is a family of highly scalable physical layer switching systems with universal module slots, designed to accommodate a variety of high-performance connectivity and monitoring applications.

The systems include a fully redundant architecture with hot-swappable, field replaceable parts for the industry's highest availability. They help network managers conserve time, increase utilization, and save money compared to manual patching or complex mesh switching architectures.

The ONPATH 2900 platform solves connectivity and monitoring challenges for Test Automation, Cyber Security, and Cloud Networking applications.

CONSERVE TIME

- Moves, adds or changes
- Planning or troubleshooting
- Record keeping

INCREASE UTILIZATION

- Data center equipment
- Test or monitoring tools
- Personnel productivity

SAVE MONEY

- Capital expenses
- Operating expenses
- Power, space and cooling



ONPATH 2900 SERIES

SCALABLE

The modular architecture of the 2900 series enables a “pay-as-you-grow” model for the ultimate in flexibility and scalability. Each of the four 2900 systems is designed to support the capacity needed per application or site. Mesh networking of multiple 2900 systems provides scalability over 100,000 ports.

SYSTEM	2908	2910	2920	2940
Max # modules per system	8	32	64	128
Max # ports per system	256	1024	2048	4096

TABLE 1. Maximum capacity per system.

MULTI-PROTOCOL

The protocol independence of the ONPATH 2900 family enables any and all protocols to be supported across a wide range of data rates from <1Mbps to 10Gbps. The universal blades or port interface modules (PIMs) provide any-to-any connectivity, while the integrated test access ports and broadcast functions allow for non-intrusive monitoring and one-to-many connectivity.

LAN INTERFACES Ethernet Copper: 10/100/1000Mbps Ethernet Fiber: 1/10Gbps	SAN INTERFACES Fibre Channel: 1/2/4/8Gbps ESCON: 200Mbps FICON: 1/2/4/8Gbps	MAN/WAN INTERFACES SONET/SDH, OC-48, OC-192: 155/622/2488/9953Mbps OTN 1: 2.5Gbps ATM: 155/622Mbps	WAN - LEGACY INTERFACES Serial Copper: RS-232/422, EIA-530s, V.35 PDH DS1/3 Copper: 1.5/45Mbps
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Port interfaces supported.

LEGACY COMPATIBLE

The 2900 is fully compatible with the legacy interfaces associated with CCUs installed in the Telenex 2700 switching systems. Interfaces such as RS-232, v.35, EIA 530, and T-1 can connect directly to a 422 PIM using existing DC64 cables and C3U chassis.

The ONPATH 2900 offers legacy infrastructure investment protection and provides a clear path to current and future high-speed copper and optical connectivity requirements.

2900 FEATURES AND BENEFITS

- Automated connections are instantaneous and guaranteed
- Scalability from 32 to 4,096 non-blocking ports
- Port speed flexibility ranging from <1Mbps to 10Gbps
- Application flexibility from v.35 to 10GE per port
- Fully redundant, modular design for 99.999% availability
- Local & remote control, monitoring and fault isolation via software
- Circuit confirmation and logging for simple tracking and reporting
- Software configurable TAP ports for flexible monitoring tool use
- Media and WDM conversion for distance extension
- Ultra-low latency (< 100ns typ.) for time sensitive applications



THE ONPATH ADVANTAGE

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