

DATA SHEET

3931

Service Delivery Switch



Ciena's 3931 Service Delivery Switch is a weatherproof advanced Carrier Ethernet system able to deliver Carrier Ethernet services to almost any environment without sacrificing leading-edge functionality. The 3931 incorporates a complete Operations, Administration, and Maintenance (OAM) suite to support the network and service performance monitoring requirements of large-scale Ethernet deployments while reducing network operating costs.

The 3931 also provides sophisticated Quality of Service (QoS) capabilities and synchronization features for a complete mobile backhaul and Ethernet business services solution.

The weatherproof housing of the 3931 enables an exceptionally low TCO for operators by eliminating the associated costs of cabinets, enclosures, and site preparation. The 3931 provides fully self-contained packet networking.

The 3931 software architecture is based on the common Service-Aware Operating System (SAOS) used in all Ciena service delivery and service aggregation switches to provide advanced Carrier Ethernet features, with consistent system and service attributes to improve operational efficiency. The 3931 leverages the SAOS to deliver Ethernet services cost-effectively to a multitude of environments and applications, including Long Term Evolution (LTE) mobile backhaul, utilities and smart grid, and Ethernet business services.

The 3931 provides advanced Carrier Ethernet in a fully self-contained and weatherproof form factor. By adhering to Class 4 of GR-3108 Issue 2 Network Equipment in the

Features and Benefits

- Includes environmentally hardened and physically secure enclosure and electronics (-40°C to +70°C), enabling Carrier Ethernet service delivery to virtually any location
- Provides advanced Carrier Ethernet and low Total Cost of Ownership (TCO), powered by Ciena's SAOS
- Supports 2 1GbE/10GbE NNI ports to deliver exceptional capacity for bandwidth-hungry applications
- Supports 8 GbE UNI ports including 4 100/1000Base-X Small Form-factor Pluggable (SFP) ports and 4 RJ-45 10/100/1000 Base-TX ports
- Provides IEEE 1588v2 and Synchronous Ethernet to ensure high-quality and reliable transport services for mobile backhaul and LTE
- Incorporates on-board RFC 2544 Performance Benchmark testing capabilities, enabling end-to-end SLA verification without a truck roll
- Includes flexible mounting capabilities: pole mount, H-Frame mount, and outdoor or indoor wall mount