

DATA SHEET

Z22

Packet-Optical Platform



The Z22 is a compact, environmentally hardened packet-optical platform optimized for deployments at the network edge.

Part of the Z-Series family, the modular, carrier-grade Z22 platform provides up to 400 Gb/s of switching capacity in a single two-slot shelf and supports the full suite of Z-Series Ethernet, wavelength, OTN, and SONET/SDH modules.

At just 2RU in height, the Z22 delivers flexibility and cost efficiency in a compact footprint. It complements the Z33 and Z77 for a complete solution from the edge to the metro core. With a holistic approach to the transport network, the Ciena Z-Series enables scalable, service-rich networks with operational simplicity and capital efficiency.

Superior performance and scalability

The Z22 extends high-performance aggregation and scalable transport, providing guaranteed delivery of low-latency Ethernet services with sub-50 ms protection switching. The Z22 shelf is temperature-hardened and ensures carrier-grade reliability and availability through support for full equipment and network protection as well as hitless software upgrades. Advanced Ethernet OAM features work in concert with the Z77, Z33, and Ciena's Blue Planet Platform to satisfy the most demanding SLAs.

When equipped with two PSW-618 Ethernet switching and transport modules, the Z22 supports 36 GbE ports and twelve 10 GbE/OTU2. Alternatively, when equipped with two PSW-10G20 packet switching and transport modules, the Z22 supports forty 10 GbE ports.

The Z22 is also a compact 100G platform, supporting two 100GbE/OTU4 ports in just 2RU when equipped with either two DTM-100G transponder

Features and benefits

Compact, cost-efficient operation

- Integrates multiple functions for cost efficiency, space and power reductions, and operational simplicity at the network edge, all in a modular, compact 2RU high-density platform

SDN

- Simplifies multilayer network design, operations, SLA assurance, and service orchestration via support from Ciena's Blue Planet SDN Platform

Optimized for high-performance, Ethernet-centric applications

- Delivers improved efficiencies over alternative edge routing

Guaranteed Ethernet performance and QoS

- Delivers guaranteed Ethernet performance and QoS for MEF E-Line, E-LAN and E-Tree services through line-rate, non-blocking L2 switching with Connection-Oriented Ethernet

Compatibility with existing equipment

- Supports multivendor interoperability with standards-based sub-50 ms Ethernet protection switching

Environmentally hardened chassis

- Extends service delivery into outside plant cabinets

Streamlined management and monitoring

- Streamlines end-to-end network management and monitoring through advanced Ethernet OAM and OTN