

8190



Ciena's 8190 Coherent Aggregation Router is purpose-built for 400GbE services and aggregation. With dense 100/200/400GbE any-to-any port Wide Area Network (WAN) aggregation and with the option of WaveLogic™ 5 Nano (WL5n), the 8190 addresses the need for dense any-to-any high-capacity routing and switching metro applications.

Any-to-any service and 100/200/400 Gb/s transport

Edge-to-metro and metro dynamics are driving bandwidth demand at unprecedented rates. The tremendous growth in these dynamics includes annual growth by 5G Radio Access Network (RAN), even higher-speed broadband, and the requirements for enterprise cloud service growing at twice the rate of others—all driving the metro to 100/200/400GbE connections and services.

Operators have also been expanding their metro networks and deploying new connectivity to the surrounding metro areas as well as a new Point of Presence (PoP) in data center facilities. These new PoPs further establish some metro areas as new connectivity hubs—helping relieve some of the strain on legacy carrier hotels when they exist without compromising performance speed, connectivity diversity, or bandwidth capabilities.

As operators plan for the mix and scale of these connections and services, the impact on the metro will require any-to-any WAN aggregation traffic flows.

The front-accessible 8190 Coherent Aggregation Router's high-density 400G ports can provide significant savings in power, cooling, and transport costs—including tremendous reductions in space that allow providers to reach to each other's internet and cloud backbones.

Features and Benefits

- Commercial temperature (0°C to +40°C) for space-constrained locations
- 36 x 100/200/400GbE fixed ports
- IP routing, BGP-LU, SR-MPLS, Carrier Ethernet, and SRv6-ready
- MACsec-ready
- Secure ZTP for rapid and error-free turn-up of services
- SDN-ready next-generation management, including support for protocols such as NETCONF/YANG, gNMI/gRPC, and GRPC dial-in/dial-out telemetry
- Ciena's MCP multi-layer support for end-to-end network management control and planning
- Redundant AC or DC power