



Prisma II XD High-Density Optical Platform

High-density optical platform improves performance, lowers costs and increases reliability.

The Prisma II™ XD High Density optical platform provides network operators with unique features that enable the deployment of a carrier-class network. Advanced features, such as the highest module density in the industry, rugged construction and a unique design optimized for easy module insertion, setup, and administration, make the Prisma II XD High Density platform the key to increased network reliability, scalability and more cost-effective deployments. The Prisma II XD has been designed to exclusively house and manage the high density modules in a low profile 3RU chassis– without the need for an additional host module.

Large-scale forward-path or reverse-path deployments need the versatility and performance of Cisco's Prisma II XD platform. It can house 16 modular optical transmitters or receivers in a 3RU chassis for considerable density advantages.

Cisco's solution results in:

- Superior Headend/Hub rack space efficiency
- Increased network reliability
- Lower maintenance costs
- Higher RF output levels
- Elimination of most reverse headend driver amplifiers
- Improved performance, low costs, and increased reliability

Prisma II XD Chassis features:

Chassis height is only 3RU; houses up to 16 high density modules

- Highest density optical transport chassis in the industry
- 5.3 transport modules per 1RU of rack space
- Compatibility with the Prisma II HD modules

AC or DC powered

- Two slots on the rear of the chassis for AC modules – modules are field replaceable, redundant and load sharing
- DC power can be wired directly to the chassis without the need for a power supply module – reduces deployment costs; redundant power connections provide power sharing from chassis-to-chassis

All RF connections are made in the rear of the chassis

- RF connections for each module are made by a high-reliability blind-mate connection on the inside backplane – no need to physically connect the RF cables to each module; very easy to plug-and-play

All optical connections are made in the front of the chassis

- Laser modules are designed with optical bulkheads at a 45 degree angle for eye protection as well as for improved fiber management
- A fiber trough has been designed into the front of the chassis for improved fiber management
- A dedicated access conduit has been designed into the chassis to help route fiber from the front and rear of the chassis; integrated fiber puller



A local craft port is provided on the front of the chassis for convenient installation setup.

The communication connections are located at the rear of the chassis; IN/OUT connections include the Element Management, the ICIM, and the alarm contact closure block.

Three field replaceable fans on the rear of the chassis; the system can run on two fans in the event of a single fan failure.

Excellent thermal design yields superior power efficiency, operating at approximately 54 watts per rack unit

- Each high density modules dissipates approximately 7.5 Watts.



Scientific Atlanta, Inc.
5030 Sugarloaf Parkway
Lawrenceville, GA 30042-5447 USA
Tel: 770.236.5092

Contact: sales@sciatl.com
www.scientificatlanta.com