



PSX-5300 Protection Switch

N+1 Interface Protection for DNX Cross-Connects

Ensure High Network Availability

The PSX-5300 Protection Switch adds redundant circuit protection and enhanced system alarming and system cooling features to DNX-11, DNX-88, and S-DNX cross-connects. It provides N+1 redundancy on electrical interfaces, including T1/E1, DS3, and E3. With this protection in place, DNX systems switch to a standby module – with minimal downtime and without user intervention – if a primary module becomes non-operational. The standby module automatically assumes the configuration and cross-connection maps of the primary module at switchover. This increases service availability and minimizes the number of emergency truck rolls required to maintain and restore network elements.

The three rack unit PSX-5300 chassis stacks cleanly atop the DNX-11 chassis, and within its 11 slots, can support up to one narrowband (10+1) and two broadband (6+1 and 3+1) protection groups, depending on the configurations.

Additional Product Highlights

The PSX-5300 also provides:

- **Circuit Protection for DNX-11, DNX-88, and S-DNX Systems** – increases transmission network resiliency by protecting critical narrowband and broadband interfaces in DNX networks on an N+1 basis.
- **Additional System Alarming** – includes alarm indicators for fan failures, power supply failures, and user-configurable threshold crossing temperature alarms. Easily accessed, both via menu and SNMP interfaces, these alarms help ensure a rapid response to failures.
- **Additional System Cooling** – improves temperature control via an integral auto-sensing fan assembly. The three-speed cooling system automatically senses the temperature and changes fan speeds accordingly. Fan speed can also be controlled via menu (low, medium, or high), and an auto alarm notifies operations if fan speeds drop.

Features and Benefits

- Redundant Protection for DNX Cross-Connects
- Enhanced DNX System Alarming and Cooling
- Automatic Switchover - No Intervention Required
- Minimizes Downtime and Emergency Truck Rolls
- Increases Transmission Network Resiliency



