

DNX Cross-Connect Platform

Multiservice Flexibility. Rock-Solid Reliability.

ACCESS NETWORK GROOMING, AGGREGATION, AND SWITCHING

The Coriant™ DNX multiservice access solution combines the power of traditional cross-connects with intelligent bandwidth management – in one compact, scalable system. Proven to reduce costs and simplify multiservice provisioning in digital transmission networks, the DNX is widely deployed in mission-critical infrastructure environments by industry-leading telecom service providers, utility operators, government agencies, and large financial institutions.

NETWORK VALUE. OPERATIONAL BENEFITS.

- **Reduce total cost of ownership** – with an economical DCS/DACS platform that minimizes up-front and recurring costs and provides significant space and power savings.
- **Enhance the efficiency and useful life of core resources** – conserve ports on costly voice and data service delivery platforms by concentrating traffic associated with these platforms
- **Facilitate network transition** – from copper to optical and from circuit-switched to packet-based technologies – and signaling network migration from SS7 to Sigtran
- **Replace your legacy or discontinued DCS/DACS** – to eliminate operational risks and ensure the highest level of reliability, performance, and system support

CARRIER-CLASS SYSTEM ARCHITECTURE

- Proven 3/1/0 non-blocking cross-connect in modular and highly scalable system design
- Integrated multiplexer, channel bank, and CSU/DSU, and IP/IPX router/bridge functionality
- Cost-efficient scalability supports diverse access-to-core configurations and protects capital investments
- Carrier-class manageability with Integrated test access and diagnostic capabilities

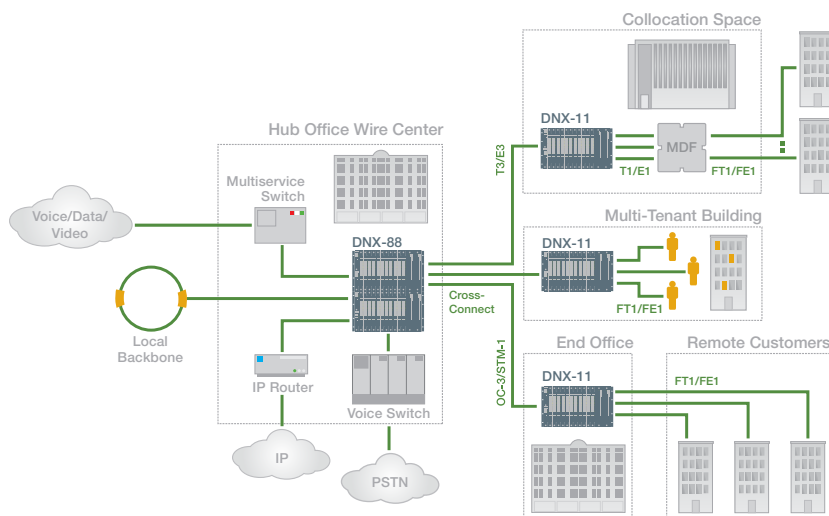
SCALABILITY AND INVESTMENT PROTECTION

With minimal front-end investment, a network operator can rapidly provision services on right-sized platforms; then scale seamlessly from DNX-11 to S-DNX to accommodate growth.

BENEFITS OF THE CORIANT™ DNX CROSS-CONNECT PLATFORM

- **Reduce** total cost of ownership
- **Enhance** the efficiency and useful life of core resources
- **Facilitate** network transition
- **Replace** your legacy or discontinued DCS/DACS





Investment Protection*

Equipment Used in All Configurations:

- ▣ Management Controllers
- ▣ Application Modules
- ▣ Interface Modules
- ▣ Equipment Nests
- ▣ Power Supplies

System Capacities

	DNX-11	DNX-88*	S-DNX*
T1	88	660	2592
E1	88	520	2080
T3	6	24	96
E3	8	32	128
OC-3/STM-1	2	8	32
Data	80	576	2304

Cost-Saving Remote Grooming and Platform Concentration

Scalable DNX platforms can be deployed at a variety of locations (e.g., remote end offices, ILEC collocation space, commercial multi-tenant buildings) to enable more efficient backhaul into the central hub office – and dramatically reduce recurring costs.

FLEXIBLE AND EFFICIENT SERVICE MANAGEMENT

Incorporating narrowband and wideband switching, the DNX Cross-Connect platform efficiently aggregates, grooms and switches diverse traffic types from DS0 to OC-3/STM-1, and provides the intelligent bandwidth management foundation for a broad range of applications, including:

- Access network migration (copper to optical; circuit to packet)
- Multiservice concentration (DS0, T1/E1, DS3, E3, OC-3/STM-1)
- Automated disaster recovery
- International gateway
- SS7 optimization/Sigtran migration

COST-EFFECTIVE SCALABILITY

DNX scalability enables network operators to rapidly provision services on cross-connects that are right-sized for initial deployment. The extensible DNX platform scales in physical port count and through the use of higher capacity transmission media as needed. This allows for an economical initial build-out and provides exceptional investment protection. An operator can migrate from the DNX-11 to the S-DNX without discarding any component, since all DNX platforms use common modules, chassis, power supplies, and application/interface modules.

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