

Kentrox Switch

This powerful and flexible mediation system from Kentrox allows you to maintain correct protocol interaction and communication between operations support systems (OSS's) and network elements (NE's). With the Kentrox Switch, your organization will:

- Increase network availability
- Reduce operational expenses
- Improve network utilization
- Gain flexibility in your architecture

Increase network availability

The Kentrox Switch delivers single point access to all your network element OAM&P data, enabling rapid remote problem resolution.

Reduce operational expenses

By consolidating mediation, aggregation and backhaul functions into a single chassis, Switch offers rapid ROI.

Improve network utilization

The Kentrox Switch provides diverse chassis solutions housing intelligent line cards that scale from one to 16 slots in a stackable configuration.

Gain flexibility in your architecture

The Kentrox Switch offers a wide range of scalable deployment options, supporting centralized, semi-centralized and distributed architectures.

Protocol mediation

The Kentrox Switch is a mediation system for surveillance networks that allows you to maintain efficient protocol interaction and communication between operations support systems (OSS's), next-generation operations support systems (NGOSS's) and network elements. The Kentrox Switch ensures all your NE's are connected and visible regardless of the physical or logical connection, increasing network availability and enabling intelligent corrective action.

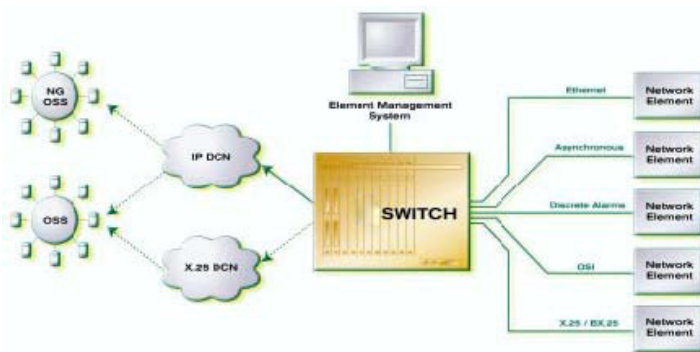
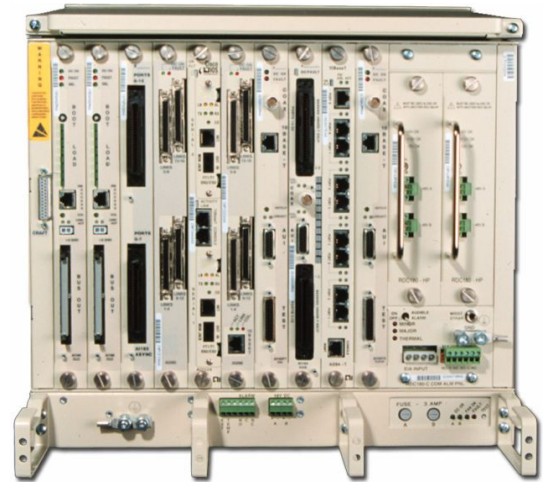


Figure 1: Switch acts as a protocol gateway between network elements and the OSS systems



Key features of the Kentrox Switch include:

- Multiple WAN interface configurations, including dual T1/E1 and dual 100 Mbps Ethernet over fiber, for flexible backhaul
- Security features, such as RADIUS and TACACS+ user authentication, to prevent unauthorized access
- Web-based configuration interface for remote Scout-2 management through standard Web browsers
- Generation of TL1 or SNMP messages from contact closures
- Support for a wide variety of network element physical interfaces and protocols
- TID multiplexing for OSS communication with multiple network elements over a single X.25 or TCP connection
- Optional OSI tunneling models available for transport of OSI management traffic over IP networks



110 Chassis



120 Chassis



130 Chassis

Switch

SWITCH LINE CARD SUPPORT:

- 232
- 296
- Connect
- Extend
- Firewall
- Flex
- Focus 3210
- Modem 8

110 CHASSIS PHYSICAL SPECIFICATIONS

| | |
|----------------|-------------------------------|
| Depth: | 10 in. (25.4 cm) |
| Height: | 1.9 in. (4.82 cm) |
| Width: | 17 in. (43.18 cm) |
| Weight: | 9 lbs (4.05 kg) approximately |
| Rack mounting: | 19 or 23 in. racks, (1-RU) |

Operating Environment (Ambient):

- 5° to 40°C, (41° to 104°F) temperature
- 5% to 85% relative humidity

Power Requirements:

- Includes dual A and B power inputs (individually fused)
- -48 VDC or 12 VAC, nominal (Range: -39 to -63 VDC)
- 1.3 AMP
- 6.90 W
- 2 A, 250 V, slow-blow fuse, power supply fuse rating (A Mains/B Mains)
- 3 A, typical, external fused supply, circuit fuse power supply

Compliance/Certification:

- Underwriters Laboratories (UL); conforms to all applicable sections of UL 60950
- Meets Telcordia Network Element Building Standards (NEBS) Level 3 functionality

120 CHASSIS PHYSICAL SPECIFICATIONS

| | |
|----------------|--------------------------------|
| Depth: | 10 in. (25.4 cm) |
| Height: | 2.8 in. (7.11 cm) |
| Width: | 17 in. (43.18 cm) |
| Weight: | 10 lbs (4.35 kg) approximately |
| Rack mounting: | 19 or 23 in. racks, (2-RU) |

Operating Environment (Ambient):

- 5° to 40°C, (41° to 104°F) temperature
- 5% to 85% relative humidity

Power Requirements:

- -48 VDC or 12 VAC, nominal (Range: -39 to -63 VDC)
- 2.6 AMP
- 3 A, typical, external fused supply, circuit fuse power supply

Compliance/Certification:

- Underwriters Laboratories (UL); conforms to all applicable sections of UL 60950
- Meets Telcordia Network Element Building Standards (NEBS) Level 3 functionality

130 CHASSIS PHYSICAL SPECIFICATIONS

| | |
|----------------|-------------------------------|
| Depth: | 9.76 in. (29.79 cm) |
| Height: | 5.22 in. (13.26 cm) |
| Width: | 21 in. (53.34 cm) |
| Weight: | 25 lbs (11.25 kg) approximate |
| Rack mounting: | 23 in. racks, (3-RU) |

Operating Environment (Ambient):

- 5° to 40°C, (41° to 104°F) temperature
- 5% to 85% relative humidity

Power Requirements:

- -48 VDC or 12 VAC, nominal (Range: -42.5 to -57.5 VDC); 200 to 300 W input voltage
- 7.1 A, maximum at 48 VDC; 8.5 A, maximum at 40 VDC input current
- 250 W at +5 VDC (applies to single and redundant power supply systems)
- -48 VDC or 12 VAC,
- 10.70 W

Compliance/Certification:

- CE
- Meets Telcordia Network Element Building Standards (NEBS) Level 3 functionality
- Safety certification by NTRL Test Lab to UL60950

180 CHASSIS PHYSICAL SPECIFICATIONS

| | |
|----------------|------------------------------|
| Depth: | 9.93 in. (25.22 cm) |
| Height: | 15.84 in. (40.23 cm) |
| Width: | 16.81 in. (42.69 cm) |
| Weight: | 30 lbs (13.5 kg) approximate |
| Rack mounting: | 19 or 23 in. racks, (10-RU) |

Operating Environment (Ambient):

- 5° to 40°C, (41° to 104°F) temperature
- 5% to 85% relative humidity

Power Requirements:

- -48 VDC or 12 VAC, 200 to 300 W; 7.1 AMP; 51.50 watts
- 250 W at +5 VDC (applies to single and redundant power supply systems)

Compliance/Certification:

- CE
- Meets Telcordia Network Element Building Standards (NEBS) Level 3 functionality
- Safety certification by NTRL Test Lab to UL60950