



Why You Should Use CTRLink Unmanaged Switches

Contemporary Controls CTRLink Skorpion Series of industrial-grade Ethernet switches are designed to meet the rigorous network connectivity demands of industrial and commercial automation and control systems. Skorpion unmanaged switches are easy to install, maintain, and operate, and, unlike office-grade equipment, are built for environments that require robust and reliable performance,

unattended operation, and compliance with industry regulations.

These switches offer plug-and-play functionality, requiring no configuration. They provide a simple, cost-effective solution for expanding Ethernet networks in an automation system.



CTRLink Skorpion Switch (EISK) Series

Applications	Cost-effective, compact control panel installations
Port Options	5 or 8 ports (copper or copper + fiber models) 16 ports (copper-only)
Speed	10/100 Mbps 1000 Mbps (5 and 8 port copper models)
Operating Temperature	0°C to 60°C
Power	10–36 VDC or 24 VAC
Mounting	Din-rail
Enclosure	Rugged metal
Certifications	UL 508 Listed and c-UL Listed for Industrial Control Equipment; CFR 47, Part 15 Class A; CE Mark; RoHS

Port Options

Skorpion switches include models with 5, 8 and 16 ports. Models are available with one or two fiber optic ports in single-mode or multimode, with SC or ST connectors. All copper ports automatically configure their data rate and duplex using the auto-negotiation protocol.

Speed

Depending on the capability of the link partner, the Skorpion Series provides 10 Mbps or 100 Mbps performance, with Gigabit models that provide 1000 Mbps, at either half- or full-duplex. Fiber ports are fixed at 100 Mbps full-duplex for the highest performance.

Operating Temperature

The 0 to 60°C temperature range is consistent with the ratings of BAS controllers, security, and fire equipment.

Power

Units are powered from a choice of low-voltages (10–36 VDC or 24 VAC, $\pm 10\%$) and can share the power source with other control panel equipment.

The switches feature positive locking terminal strips to securely lock the power supply to the switch and eliminate power disruption. The screw-style power connector is easy to wire and durable for ship-ping to the job sites.

Redundant power connections allow the switch to continue to run

without disruption from the loss of primary power. The operating voltages allow for a backup power source without identical electrical criteria. Any voltage source in the specified range can serve as a backup power source – including batteries.

Mounting and enclosure

The switches' standardized panel layout and design provide secure DIN-rail mounting for years.

Certifications

The switches carry proper regulatory approvals (see table). Four-layer printed circuit boards and input filters are used to meet the industrial limits of electromagnetic compatibility (EMC) standards EN 55022 and EN 55024.

Long-Term Availability

Design it once, "set it and forget it," with no worries for future builds. Unlike office-grade equipment, CTRLink switches have long-term availability, and any future redesigns required because of component EOL comply with same fit, form, or function. This ensures customer designs and documents require minimal changes, if any.

Technical Support

The switches are backed with our award-winning technical support and 5-year warranty. Troubleshooting in the field is tedious, and Ethernet technology can be complex. We back our rugged, reliable Ethernet switches with experienced technical support to fully meet your needs.

Learn more by visiting the [Skorpion Switch Series](#) product page.

Positive locking terminal strip provides a secured power connection



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