

Types of Industrial Networking Switches

Built for the Toughest Environments

Because downtime isn't an option, the Black Box Industrial Gigabit Networking Switches deliver rugged, 24/7 performance for networking, automation, and control applications that demand absolute reliability. Proven in many deployments, our solutions handle extreme temperatures, tight spaces, and nonstop operation, while providing the Gigabit speed and management capabilities modern data and video systems require.

◆ RUGGED RELIABILITY YOU CAN COUNT ON

Every model is engineered for 24/7 uptime in brutal environments, from a freezing -40°C to a blistering +75°C. Minimize operational risk, maximize network availability.

- IP30-rated metal housing shrugs off shock and vibration
- Dual DC power inputs keep your network alive even if one power source fails
- Cold-start tested at -40°C — boots up when others give up

◆ NETWORK RESILIENCY & CONTROL (Managed Models)

Keep your data flowing. Managed LIG/LIE models are built for high-availability networks with zero tolerance for failure.

- Redundant Ring Fail-Over for self-healing network paths
- Spanning Tree, LACP, and QoS — prioritize and protect your most important data
- Layer 2 management through intuitive Web GUI, SNMP, or CLI

◆ POWER & SIMPLICITY (PoE Models)

Simplify deployment. Cut costs. Power everything. The LIE series delivers up to 30W of PoE power per port — perfect for cameras, sensors, and access points.

- No electricians. No extra wiring
- Fully IEEE 802.3af/at compliant
- Deploy anywhere — plug and go

◆ FLEXIBILITY THAT FUTURE-PROOFS YOUR NETWORK

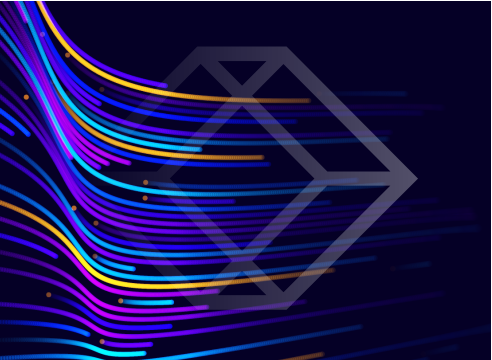
Your infrastructure shouldn't hold you back. Multi-rate SFP slots let you mix and match 100-Mbps and 1-Gbps modules — single or multimode fiber — so you can scale without replacing your hardware.

- DIN-rail or wall-mount installation
- Adapt to changing network demands without forklift upgrades



WHY CUSTOMERS CHOOSE BLACK BOX

- Unmatched uptime in the harshest environments
- Industrial-grade durability built to last
- Flexible deployment options
- Outstanding value with an unbeatable price-to-performance ratio
- 24/7 technical support



BLACK BOX PORTFOLIO INDUSTRIAL NETWORKING SWITCHES

Managed Switches Non PoE	Managed Switches With PoE	Unmanaged Switches
 Click here to see Switches	 Click here to see Switches	 Click here to see Switches

Learn how an OOH media provider uses Industrial Networking Switches from Black Box for reliable digital signage in the most challenging environments.

READ CASE STUDY

BUILT TOUGH. BUILT SMART. BUILT BLACK BOX.
Get a switch that’s as relentless as your operation.

REQUEST A QUOTE OR DEMO TODAY

