GarrettCom®
A **BELDEN** BRAND

MAGNUM 5RX

COST-EFFECTIVE, DUAL-PURPOSE NETWORK SECURITY ROUTER

➕ **A migration path** that bridges legacy interfaces with new IP-based technology

➕ Advanced software features offer Layer 3, advanced routing capability along with **best-in-class firewall protection** and virtual private network (VPN) security

➕ A complete, **integrated core-to-edge network solution** when combined with Magnum 10RX Security Routers and Switches

Magnum 5RX

Hardware

- **Configurations:**
  - Four Gigabit RJ45 copper ports
  - Two Gigabit auto-media ports
  - Eight DB9-DTE serial ports
  - One T1/E1 or DDS WAN port
  - Single, fixed high or low voltage power supply with dual source options
- **Physical chassis** 1.5U, 19 inch, rackmount
- **Convection cooling** with fanless design
- **Certifications:** IEC 61850-3 and IEEE 1613 Class 2, NEMA TS-2 and EN50155 compliant
- **Hardened** for substations
- **Operating temperature range:** -40 ˚C to +85 ˚C

Software

- **Comprehensive Layer 2 Features:** LLDP, VLAN, QoS, VLAN Trunking, Spanning Tree (STP, RSTP, MSTP)
- **Advanced Layer 3 Features:** IP, ICMP, ARP, Frame Relay, PPP/MLPPP, PPP over WAN
- **Essential Layer 4 features:** TCP/UDP, routing (RIP, OSPF and BGP)
- **Management and monitoring:** Port mirroring, GRE, VRRP, Object tracking, Protocol Analyzer
- **Enhanced Security:** Firewall/NAT and IPSec VPN
- **Industrial Application Features:** GOOSE and bit-oriented protocol

Be certain.
Belden.

Magnum 5RX Fixed Configuration Industrial Security Router
TWO-IN-ONE SOLUTION FOR ULTIMATE EFFICIENCY AND UNCOMPROMISED PERFORMANCE

✚ Customer Benefits

Cost-efficient Solution

By integrating security and routing in a fixed configuration, the new Magnum 5RX Security Router reduces total infrastructure costs, especially in high-volume deployments and highly distributed networks. Now, energy and utility industries have an option for their edge networks where modular solutions are too expensive and often not required.

Complete Network Support

When used together with Magnum 10RX Security Router, the combined solution forms a cost-efficient core-to-edge network.

Features

The Magnum 5RX Security Router is designed for applications where hardened and industrial-grade solutions are required in order to deliver high-performance routing while ensuring network security. The new router also provides both current and legacy network interfaces and communication support, offering a valuable migration path to the new generation of network backbones.

Customers

The Magnum 5RX Security Router is ideal for substation applications in the energy and utility generation, transmission and distribution sectors where a mid-level product with both routing and network security is required.

Applications

- Highly distributed network with multiple substations and locations
- Substations or network edge where modular solutions are too expensive and not required
- Situations requiring hardened and industrial-grade solutions
- Networks with a mix of legacy and IP-based protocols

Markets

Electrical generation, transmission and distribution, oil and gas, water and wastewater, mining, wind power and solar power

The Magnum 5RX Security Router guarantees ultimate performance and reliability with its two-in-one approach to routing and network security.