Ethernet media converters are designed to bridge the gap between copper and fiber-optic network segments, reducing installation and configuration costs.

To ensure the utmost in reliability, the RMC family products are tested to the most stringent international EMI and environmental standards. The RUGGEDCOM Media Converters provide a high level of immunity to electromagnetic interference and heavy electrical surges typical of environments found in electric utility substations, curb side traffic control cabinets, industrial manufacturing, and process control. An operating temperature range of -40°C to +85°C coupled with hazardous location compliance (Class 1 Division 2), and optional conformal coating allows the RMCs to be placed in almost any location.

The RMC product family was specifically designed to provide years of maintenance free operation for all your mission-critical, real-time control applications. The reliability of the media converters exceeds those of commercial devices by having no rotating parts (i.e. no cooling fans), utilizing high temperature solid state components and incorporating the necessary transient and surge suppression circuitry required for electrically harsh environments. All RMC family products are packaged with a high reliability, integrated power supply (24V, 48V, or HI Voltage options) and enclosed in a rugged galvanized steel enclosure suitable for DIN-rail mounting or panel mounting.

All RUGGEDCOM products are backed by a five year warranty and unsurpassed technical support.

Common features
• High immunity to EMI and heavy electrical surges
• Fail-safe relay
• -40°C to +85°C operating temperature (no fans)
• Fully integrated power supply
• Universal high-voltage input: 120 V AC/DC and 230 V AC/DC
• Low voltage DC input: 12 VDC, 24 VDC or 48 VDC

RUGGEDCOM Product Information
General Background Information
RUGGEDCOM Brochures and Information material

Media converters
RUGGEDCOM Datasheet
RUGGEDCOM RMC
Ethernet media converter (copper-to-fiber)
• 10BASE-T to 10BASE-FL
• 100BASE-TX to 100BASE-FX

Data Sheet: RMC
Installation Guide: RMC

RUGGEDCOM RMC20
Serial media converter (copper-to-fiber)
• RS485/RS422/RS232 conversion to multimode fiber and back

Data Sheet: RMC20
Installation Guide: RMC20

RUGGEDCOM RMC30
2-port serial device server
• RS232/RS422/485 serial to IP conversion

Data Sheet: RMC30
User Guide: RMC30
Installation Guide: RMC30

RUGGEDCOM RMC40
4-port Ethernet media and speed converter
• 10/100BASE-TX to 100BASE-FX or 10/100BASE-TX
• Provides media and speed conversion
• Unmanaged switch

Data Sheet: RMC40
Installation Guide: RMC40

RUGGEDCOM RMC41
2-port Ethernet media and speed converter
• 10/100BASE-TX to 100BASE-FX converter

Data Sheet: RMC41
Installation Guide: RMC41

RUGGEDCOM RMC8388
Compact time protocol converter
• PTP (IEEE 1588) to IRIG-B (AM or TTL)
• PTP (IEEE 1588) to PPS
• IRIG-B AM to PTP (IEEE 1588)

Data Sheet: RMC8388
User Guide: RMC8388
Installation Guide: RMC8388

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