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Mungo R1

PRODUCT SHEET

2026



RUGGED INDUSTRIAL NETWORKING PLATFORM



MUNGO R1 RUGGED GENERATION

Built for demanding environments

Mungo R1 is a high-end 12-port Ethernet switch, router and edge computing platform designed for harsh applications including

rail, mining and heavy industry. Engineered to reduce lifecycle costs, the platform is available with or without Power over Ethernet and in configurations with edge computing capability.

12
Ethernet ports

IP67
Aluminium enclosure

-40 to +70°C
Operating temperature

48-110 VDC
Ethernet ports

Platform specifications

ETHERNET

4 × 10GBASE-T Ethernet (M12)
8 × 2.5GBASE-T Ethernet (M12)

MANAGEMENT & STORAGE

1 × USB management port
1 × Micro-SD slot

POWER

48-110 VDC dual input, ±30% tolerance
10 ms hold-up

MECHANICAL

IP67 aluminium enclosure
Non-PoE: 207 × 160 × 80.51 mm
PoE: 207 × 160 × 115.5 mm

ENVIRONMENT

Operational temperature range: -40°C to +70°C

One platform. Multiple configurations.

CORE PLATFORM

Rugged 12-port switch/router platform with common power, enclosure and management interfaces.

POWER OVER ETHERNET

8 × PoE ports, up to 90 W per port, with a 500 W total power budget.

EDGE COMPUTING & EXTENDED COMMUNICATIONS

More powerful CPU, increased RAM and expanded flash memory. Optional SFP ports, radio modules and industrial communication interfaces enable advanced connectivity and integration.

DESIGNED FOR

RAIL MINING HEAVY INDUSTRY

SOFTWARE PLATFORM

Powered by Infix OS

Secure, open-source Linux for switches, routers and networking devices, designed for automation and modern network management.

- YANG with standardized RESTCONF/NETCONF interfaces
- Signed immutable software, secure boot and role-based access control
- Advanced container support for custom applications and value-added services
- Deployment without exposing proprietary software or intellectual property

