

RA70S



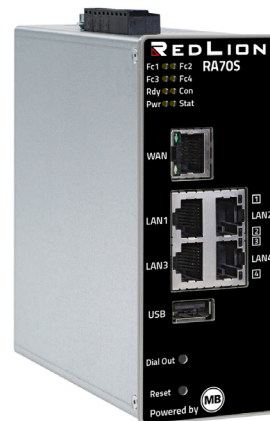
Remote Access Router

The RA70S Remote Access Router provides a secure way to remotely diagnose and configure connected automation equipment, including HMIs, PLCs, and drives.

Monitor and manage connected assets from anywhere with RLConnect24, a cloud-based platform that makes accessing remote equipment quick. In addition, the RLConnect24 portal can store, check, and visualize operational data.

- Initial product setup in under 2 minutes
- Secure connection via VPN (PPTP, IPSec, L2TP, OpenVPN)*
- Optional cellular support
- 4 Digital Inputs, 2 Digital Outputs with on-board I/O
- Integrated 4-port Ethernet switch
- Verizon certified and AT&T compatible options

* Protocols are model-specific



Ordering Guide

Remote Access Routers

Part Number	Description
RA70SR0000V0S0D0	Remote Access Router with LAN/WAN and Data Monitoring, including RLConnect24, SIMPLY.connect Capable, DIN Rail Mount (US Server)
RA70SR4A00V1S0D0	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Americas, AT&T, Verizon), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount (US Server)
RA70SR4E00V1S0D0	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Europe/SAARC), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount (US Server)

RA70S Specifications

Specifications

Power Input

Input Voltage: 10 to 30 VDC
Current Consumption: Max 500 mA @ 24 V

Communication Properties

Ethernet Interfaces:

LAN: Four (4) 10/100 BASE-T(X) RJ45 ports
WAN: One (1) 10/100 BASE-T(X) RJ45 port

USB Host Port:

One (1) USB Host 2.0 port

Memory

Removable Media:

SD card SDHC max 32 GB; FAT/FAT32

On-Board I/O

Digital Inputs: Four (4), 10 to 30 VDC (electrically isolated), (low 0 to 3.2, high 8 to 30 VDC)

Digital Outputs: Two (2), 10 to 30 VDC (electrically isolated), to a maximum of 1.5 A per output

Networking Capabilities

VPN Support

VPN Protocols: OpenVPN, 1 Tunnel
Encryption Method: Blowfish
Encryption Algorithms: MD5, SHA1
Authentication: Pre-Shared Key, X.509

Network Security

Firewall: 1:1, IP-Filter, port forwarding, stateful inspection
IP Router: NAT-IP, TCP/IP routing, IP forwarding
Services: DHCP server, HDCP client, DNS server, NTP client, PPP server, DynDNS
Time Synchronization: NTP server

Cellular Capabilities (Model Specific)

Compatible Countries: United States

Compatible Cellular Carriers: AT&T

Certified Cellular Carriers: Verizon

Dual SIM Card Slots: SIM size 2FF

Antenna Connectors: Two (2) SMA Connectors

FCC: Contains FCC ID: R17LE910NA

Technology	Bands	Frequencies	Antenna Configuration
LTE	2, 4, 5, 17	600/700/850/ 1700/1900 MHz	MIMO Required
HSxPA *	2, 4 & 5	850/1900 MHz	

* While 3G is still available.

Compatible Countries: Europe

Dual SIM Card Slots: SIM size 2FF

Antenna Connectors: Two (2) SMA Connectors

TAC: 35162207

Technology	Bands	Frequencies	Antenna Configuration
LTE	1, 3, 7, 8, 20	700/800/900/1800/ 2100/2600 MHz	MIMO Required
HSxPA *	1, 3, 8	900/1800/2100 MHz	Div. Support
GSM/GPRS/ EDGE *	3, 8	900/1800 MHz	

* While 3G is still available.

Environmental

Operating Temperature Range: -40 to 75 °C

Storage Temperature Range: -40 to 85 °C

Operating and Storage Humidity: 0 to 95% max. RH non-condensing

Real-time Clock: Date and time are maintained for up to 7 days in the event of power failure

Certification & Compliance

UL Listed: File # E482663

CE mark does not apply to models with AT&T cellular option. As such, these modems must not be operated or commissioned in the European Economic Area (EEA).

Construction

Metal enclosure with IP30 rating (when all ports are populated).

Weight: 1.4 lb (650 g)

Mounting

DIN Rail: Attaches to standard "T" profile DIN rail according to EN50022 - 35 x 7.5 and 35 x 15

Warranty

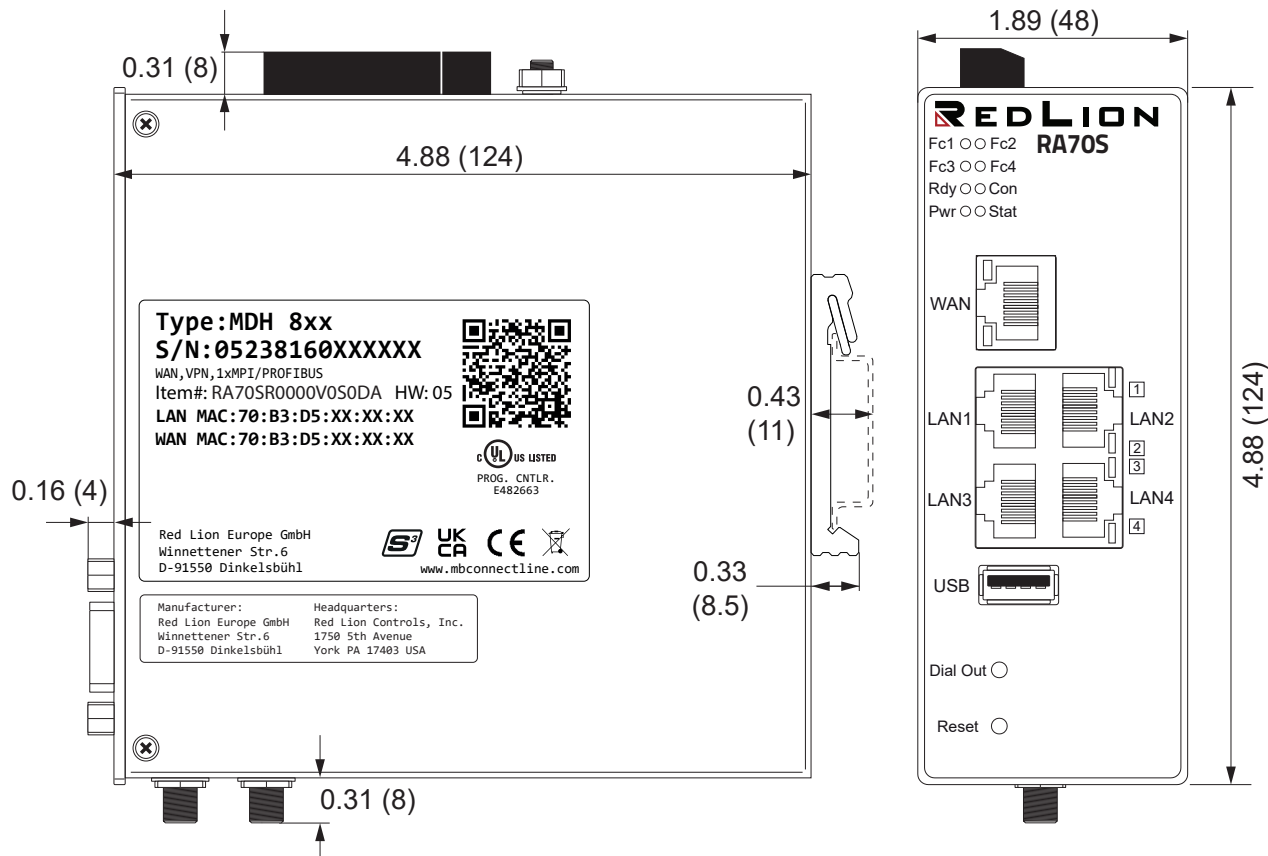
1 year on design and manufacturing defects.

Specifications are subject to change.

Visit www.redlion.net for more information.

RA70S Dimensions

Dimensions In inches (mm)





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