

# RA70S

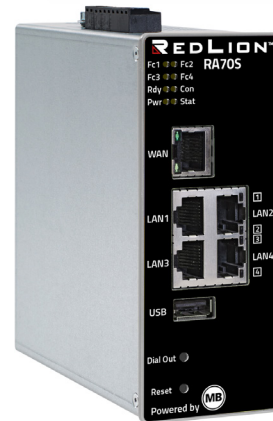
## Remote Access Router

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 3 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

\* Protocols are model-specific



## Ordering Guide

### MAIN UNIT

PART NUMBER	DESCRIPTION
RA70SR0000V0SD0	Remote Access Router with LAN/WAN and Data Monitoring, including RLConnect24, simply.connect Capable, DIN Rail Mount
RA70SR4A00V0DD0	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Americas, AT&T), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount

# ▲ RA70S Specifications

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### 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

Antenna Connectors: Two (2) SMA Connectors

FCC: Contains FCC ID: R17LE910NA

TECHNOLOGY	BANDS	FREQUENCIES	ANTENNA CONFIGURATION
LTE	2, 4, 5, 17	700/850/1700/1900 MHz	MIMO Required
HSxPA	2, 5	850/1900 MHz	Div. Support
GSM/GPRS/EDGE		850/1900 MHz	

### 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

### 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

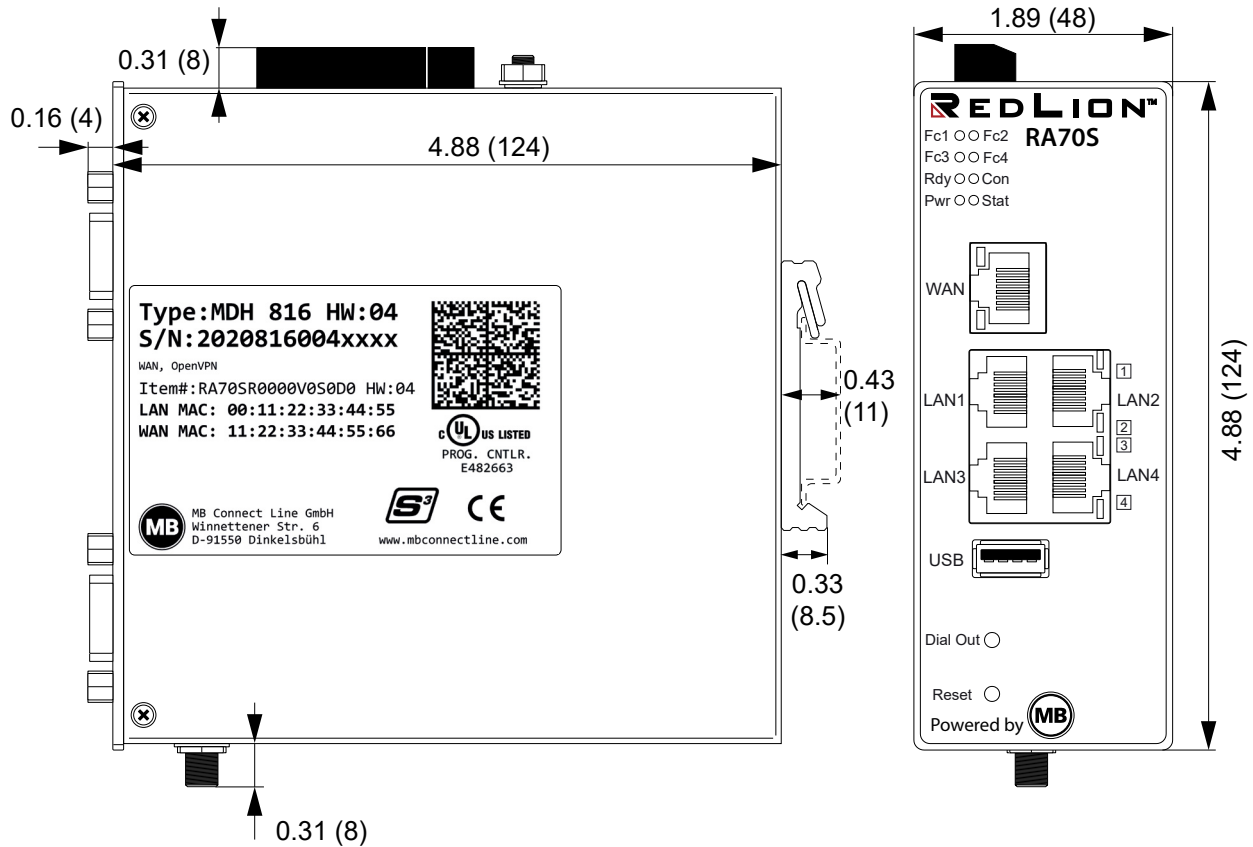
1 year on design and manufacturing defects.

Specifications are subject to change.

Visit [www.redlion.net](http://www.redlion.net) for more information.

# RA70S Dimensions

## Dimensions In inches (mm)



Red Lion has been delivering innovative solutions to global markets since 1972 through communication, monitoring and control for industrial automation and networking - enabling companies worldwide to gain real-time data visibility that drives productivity. Red Lion is part of Spectris plc, the productivity enhancing instrumentation and controls company.

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