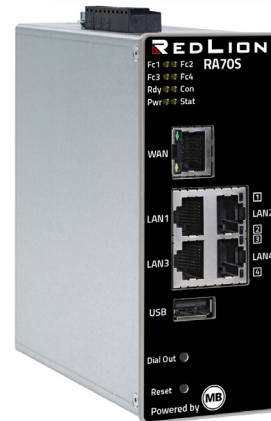# RA70S

RL
RED LION ®
a spectris company

◤ 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

  * Protocols are model-specific

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PROG. CNTLR.
E482663

CE

◤ Ordering Guide

REMOTE ACCESS ROUTERS (AMER)

PART NUMBER	DESCRIPTION
RA70SR0000V0SD0	Remote Access Router with LAN/WAN and Data Monitoring, including RLConnect24, SIMPLY.connect Capable, DIN Rail Mount (US Server)
RA70SR4A00V00D0	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Americas, AT&T), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount (US Server)
RA70SR4E00V00D0	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)

REMOTE ACCESS ROUTERS (EUROPE/SAARC)

PART NUMBER	DESCRIPTION
RA70SR0000V0SDA	Remote Access Router with LAN/WAN and Data Monitoring, including RLConnect24, SIMPLY.connect Capable, DIN Rail Mount (EU Server)
RA70SR4A00V00DA	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Americas, AT&T), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount (EU Server)
RA70SR4E00V00DA	Remote Access Router with LAN/WAN and Data Monitoring, 4G LTE (Europe/SAARC), Multi VPN including RLConnect24, IPSec, L2PT, PPTP, DIN Rail Mount (EU Server)

◢ 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
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	700/850/1700/1900 MHz	MIMO Required
HSxPA	2, 5	850/1900 MHz	Div. Support
GSM/GPRS/ EDGE		850/1900 MHz	

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	800/900/1800/ 2100/2600 MHz	MIMO Required
HSxPA	1, 8	900/2100 MHz	Div. Support
GSM/GPRS/ EDGE	3, 8	900/1800 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
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

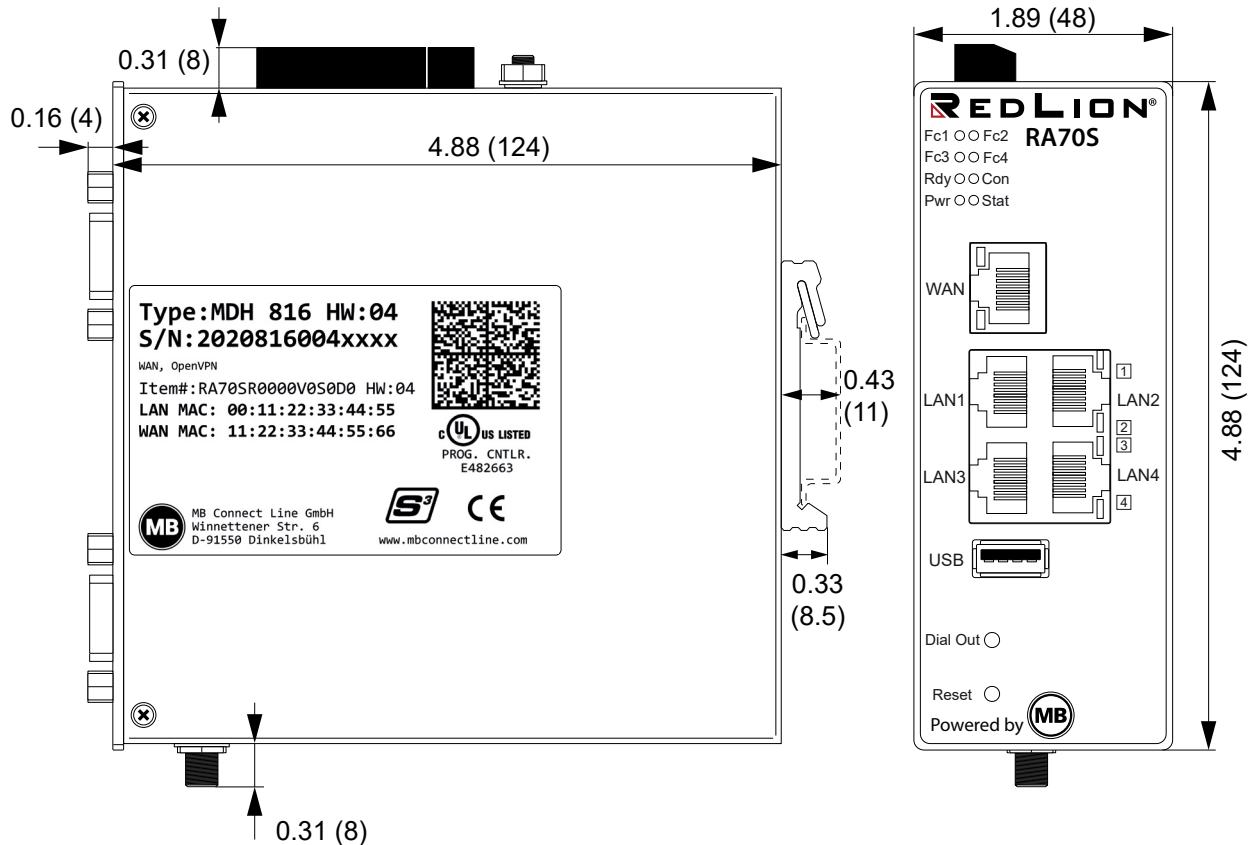## WARRANTY
1 year on design and manufacturing defects.
Specifications are subject to change.
Visit www.redlion.net for more information.

◢ **Dimensions** In inches (mm)

0.31 (8)

0.16 (4)

4.88 (124)

```
Type:MDH 816 HW:04
S/N:2020816004xxxx
WAN, OpenVPN
Item#:RA70SR0000V0S0D0 HW:04
LAN MAC: 00:11:22:33:44:55
WAN MAC: 11:22:33:44:55:66
```

UL US LISTED
PROG. CNTLR.
E482663

MB Connect Line GmbH
Winnettener Str. 6
D-91550 Dinkelsbühl

www.mbconnectline.com

0.43 (11)

0.33 (8.5)

0.31 (8)

1.89 (48)

RedLion® RA70S

Fc1 ○○ Fc2
Fc3 ○○ Fc4
Rdy ○○ Con
Pwr ○○ Stat

WAN

LAN1 LAN2
LAN3 LAN4

USB

Dial Out ○

Reset ○ MB
Powered by

4.88 (124)

909 Ridgebrook Road.,Sparks,Maryland 21152,USA
TEL : +1-410-583-1701 FAX : +1-410-583-1704
E-mail: sales@pulsesupply.com
https://www.pulsesupply.com/redlion-iwr

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