RA50C

▲ Compact Remote Access Router

THE RA50C COMPACT REMOTE ACCESS ROUTER PROVIDES SECURE REMOTE ACCESS TO DIAGNOSE AND PROGRAM CONNECTED AUTOMATION EQUIPMENT INCLUDING HMIS, PLCS, AND DRIVES.

MANAGE CONNECTED ASSETS FROM ANYWHERE WITH RLCONNECT24, A CLOUD-BASED PLATFORM THAT MAKES ACCESSING REMOTE EQUIPMENT QUICK.

◢ Compact industrial router

◢ Initial product setup in under 3 minutes

◢ Secure connection to portal via OpenVPN

◢ Two configurable digital inputs or digital outputs via on-board I/O

◢ Optional 4G LTE cellular support

◢ Optional Wi-Fi client support

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LISTED
PROG. CNTLR.
E482663

◢ Ordering Guide

MAIN UNIT

PART NUMBER	DESCRIPTION
RA50CR0000R000D0	Compact Remote Access Router with LAN/WAN, RLConnect24, DIN Rail Mount
RA50CR4A00R00D0	Compact Remote Access Router with LAN/WAN, 4G LTE (Americas, AT&T), RLConnect24, DIN Rail Mount
RA50CR0W00R00D0	Compact Remote Access Router with LAN/WAN, Wi-Fi, RLConnect24, DIN Rail Mount

◢ Specifications

Management
Easy connection and management from RLConnect24 portal

Power Input
Input Voltage: 10 to 30 VDC
Current Consumption: max 250 mA @ 24 V

Communication Properties
Ethernet Interfaces:
    LAN (Model Specific):
        Three (3) 10/100 BASE-T(X) RJ45 ports
        Four (4) 10/100 BASE-T(X) RJ45 ports
    WAN (Model Specific):
        One (1) 10/100 BASE-T(X) RJ45 port
    USB Host Port:
        One (1) USB Host 2.0 port

On-board I/O
Configurable Digital Inputs/Outputs: Two (2)
    Digital Input: 10 to 30 VDC (low 0 to 3.2, high 8 to 30 VDC)
    Digital Output: 10 to 30 VDC to a maximum of 1.5 A per output

Networking Capabilities
VPN Support
    VPN Protocols: OpenVPN, 1 Tunnel
    Encryption Parameter:
        Control Channel: TLSv1.2, cipher ECDHE-RSA-AES256-GCM-SHA384
        Data Channel: Cipher 'AES-256-GCM' initialized with 256 bit key
    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 client, NTP client
    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	

Wi-Fi Capabilities (Model Specific)
Wi-Fi Compliance – IEEE802.11
USA Frequencies/Channels: 2.412 – 2.462 GHz, 1 – 11 channels
    WPA/WP2, 64/128/152bit WEP, WPS
    802.11b: 1,2,5.5,11 Mbps
    802.11g: 6,9,12,18,24,36,48,54 Mbps
    802.11n: (20 MHz) MCS0-7, up to 72 Mbps
    802.11n: (40 MHz) MCS0-7, up to 150 Mbps
FCC FCC ID: YWTWFXM05

Environmental
Operating Temperature Range: -40 to 75 °C (WAN and Cellular models)
Operating Temperature Range: 0 to 60 °C (Wi-Fi model)
Storage Temperature: -40 to 85 °C
Operating and Storage Humidity: 0 to 95% max. RH non-condensing

Certification & Compliance
UL Listed: File # E482663

Construction
Metal enclosure with IP30 rating (when all ports are populated).
Weight: 8.47 oz (240 g)

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

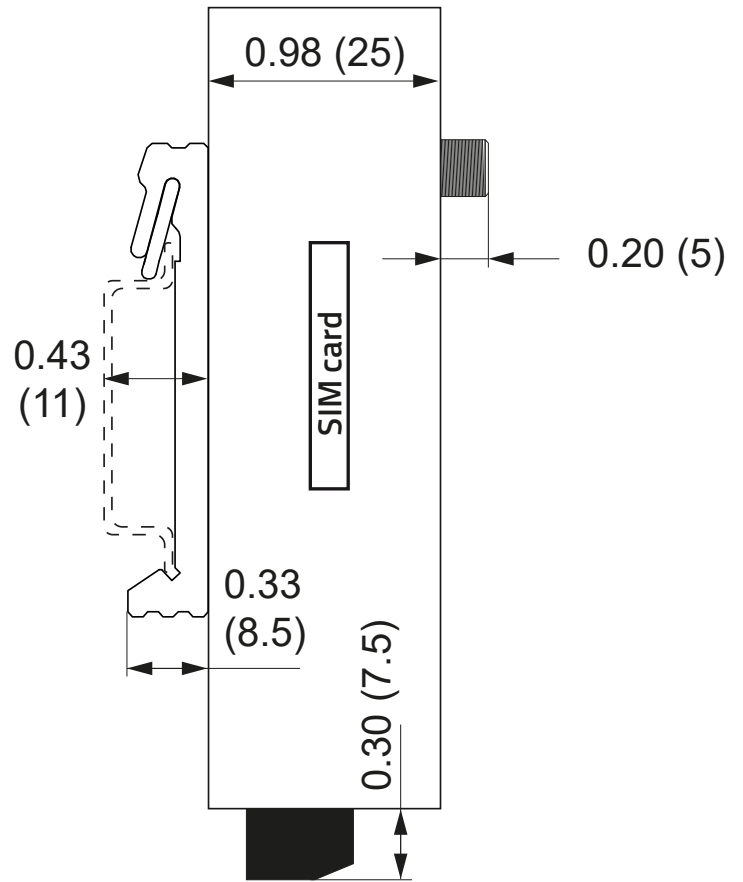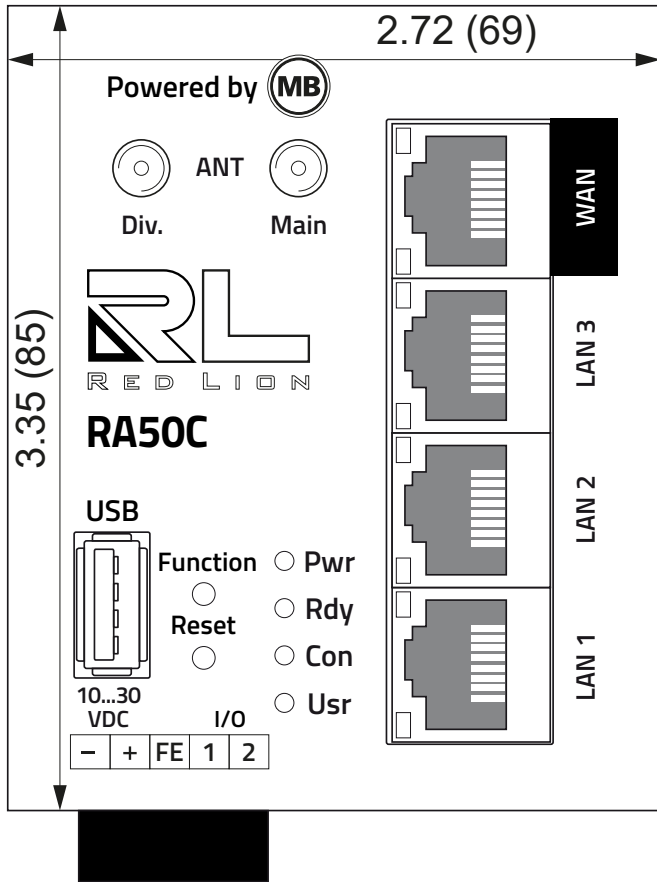### Warranty
1 year on design and manufacturing defects.
Specifications are subject to change.
Visit www.redlion.net for more information.

◢ **Dimensions** In inches (mm)

Powered by **MB**

ANT

Div.   Main

RA50C

USB

Function ◯ Pwr
Reset   ◯ Rdy
          ◯ Con
          ◯ Usr

10...30 VDC   I/O

| − | + | FE | 1 | 2 |

WAN
LAN 3
LAN 2
LAN 1

2.72 (69)
3.35 (85)

0.98 (25)
0.43 (11)
0.33 (8.5)
0.30 (7.5)
0.20 (5)

SIM card

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www.redlion.net
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