

Radio Gateway



R-NIC M500-610 Series
2xR-NIC M500-620 Series
4xR-NIC M500-640 Series



Overview

Mutualink is an IP-based multimedia communication resource sharing platform that allows public safety agencies and critical community assets to communicate in a manner that is separate and apart from the general public.

Mutualink's R-NIC Series of Secure Controllers support the integration of fixed station or mobile radio transceivers irrespective of their operating frequencies or protocols.

Benefits

- ✓ Safe and Secure over Private Network
- ✓ Can interface with the radio equipment through a sophisticated, error-free VAD arrangement
- ✓ Automatic variable delays between PTT and the assignment of a voice channel in a trunked system
- ✓ Support for standard fixed station interfaces including EIA Tone Remote Control and E&M signaling in either 2 or 4-wire configurations
- ✓ Can be integrated to consoles and appear as an additional resource to connect to other resources on the console
- ✓ Integrations to most makes and models of console, consolette, mobile and portable (handheld) radios
- ✓ Ability to adapt to a wide range of radio systems through a robust assortment of configuration parameters
- ✓ Ability to change channels on select radio models
- ✓ Ability to integrate to One, Two or Four different radio models at a time, depending on the model purchased.

R-NIC SPECIFICATIONS

4xR-NIC M500-640 Series



2xR-NIC M500-620 Series



R-NIC M500-610





For more information on any of our products or services please contact us:

 mutualink.net

 (866) 957-5465

 info@mutualink.net

 Headquarters:
1269 South Broad Street
Wallingford, CT 06492

 Research & Development
3 Lan Drive
Westford, MA 01886

313 S. Jupiter Road, Suite 110
Allen, TX 75002

Rochelaise #26 Bo. Guanajibo
Mayagüez, PR 00682

MECHANICAL

Case Construction:

Case Finish/Color:

Case Dimensions (W x H x D):

Cooling System:

Weight:

Operating Environment:

Shock Resistance:

Vibration:

DESCRIPTION

Ultra Lightweight Aluminum

Chassis - Black

19" x 1.75" x 11" 1RU Rack Mount
12" X 1.75" X 11" Desk Top (R-NIC and 2xR-NIC Only)

2 x 25 mm Fans & Chassis Fan

Overall Weight 3.3 lbs to 5 lbs based on model

0° C to 60° C / 32° F to 140° F

1,500G, 0.5ms

2.17G (5-700Hz)

ELECTRICAL

Power Requirements:

Power Supply:

DESCRIPTION

100-240 50/60 Hz @ 1.8A or 12 VDC @ 5A

External 80W AC to DC Adapter @ 12VDC

CONNECTORS

DC Power:

ETH0, ETH1 Ethernet Ports:

Analog Radio Port:

Serial Data Ports:

Video Ports:

USB Ports:

DESCRIPTION

2.50mm Barrel Connector

2 x 8-way RJ45

1 x DB15 / 2 x DB15 / 4 x DB15

3 x RS232

1 x HDMI, 1 x VGA

2 x USB 2.0, 2 x USB 3.0

FUNCTIONAL

Front Display:

Audio Compression:

IP Protocol Support:

Network Interface:

Configuration User Interface:

DESCRIPTION

LCD Keypad Display

G.711 (64Kbps PCM) μ -law, G729 Annex B, Linear 16

Multicast/Unicast RTP, SIP, RoIP, DiffServ QoS

2 x 10/100/1000base-T, IPv4, IPv6, 802.1q VLAN

Web Based

RADIO INTEGRATION

Impedance:

Termination:

Max Input Level (1kHz):

Max Output Level (1kHz):

Integration Types:

RX Activation:

Control I/O: 5VTTL Logic

Ethernet Ports:

DESCRIPTION

600 Ohm Low Impedance, 47K Ohm High Impedance

Balanced or Unbalanced (DC Isolated)

2.0V p-p / 707mV RMS

2.5V p-p / 900mV RMS

PTT/COR Wire Interface, MotoTrbo, 2/4 Wire EIA Tone Remote (16 Channel), P25 (Kenwood, Tait, Sepura)

PTT/COR, VOX Half-duplex, VOX Full-duplex

PTT Out, PTT In/COR, Power Enable, Channel Select, Monitor, TX Grant

2 x 10/100/1000base-T

MISCELLANEOUS

Included Accessories:

Warranty:

DESCRIPTION

AC Power Adapter & Cord

1-Year Parts and Labor