

Digi Repeaters

D A T A
S H E E T

MIL-4200R Series of 2-Port Modular Ethernet Repeater with AUI Port



The MIL-4200R Family of Ethernet Repeaters are 2-port modular repeaters with an AUI uplink port. They are fully IEEE 802.3 compliant. Each unit features two modular bays which, when configured with Digi's MIL-4300 Series of Micro Modules, allow the creation of a two-port repeater capable of connecting to any LAN media, including fiber optic cabling. The AUI port located on the rear of the Repeater, allows direct connections to devices with a standard AUI port.

The MIL-4200R Family of Ethernet Repeaters feature a global LED for power, and individual (per port) LEDs on each micromodule for collision, receive and fault detection. The 10Base-T and 10BaseFL modules also display Link status, and the 10Base2 micromodule also displays power.

The 4201R Ethernet Repeater is a fully compliant two port repeater with a rear AUI uplink port. Each unit features two (2) module bays which when configured with the Digi Micro Modules, allow the creation of any two-port repeater. The rear panel AUI port allows direct connections to thick coax for backbone cabling or the addition of any other ethernet transceiver. The unit is fully compliant with the 802.3 repeater specifications. Its modularity makes it ideal for using as an interim replacement product when a link goes down, as well as a unique way to transition from a multi-mode fiber to single mode fiber ethernet run.

The 4221R Ethernet Repeater is a fully compliant two port repeater with a rear AUI uplink port. The unit features one (1) 10Base-T UTP port and one (1) 10BASE2 port. The rear panel AUI port allows direct connections to thick coax for backbone cabling or any other ethernet transceiver

media type. The unit is fully compliant with the 802.3 repeater specifications.

The 4231R Ethernet Repeater is a fully compliant two port repeater with a rear AUI uplink port. The unit features one (1) 10Base-T UTP port and one (1) module bays which when configured with the Digi Micro Modules, allow the creation of any two-port repeater. The rear panel AUI port allows direct connections to thick coax for backbone cabling or any other ethernet transceiver media type. The unit is fully compliant with the 802.3 repeater specifications.

The 4241R Ethernet Repeater is a fully compliant two port repeater with a rear AUI uplink port. The unit features one (1) 10Base-T UTP port and one (1) 10BaseFL (ST-type connector). The rear panel AUI port allows direct connections to thick coax for backbone cabling or any other ethernet transceiver media type. The unit is fully compliant with the 802.3 repeater specifications.

- The MIL-4201R is the basic Repeater, and is not furnished with any micromodules. One or two Digi MIL-4300M micromodules should be ordered with this unit.
- The MIL-4221R Repeater comes with one UTP micromodule (shielded RJ-45 port) and one thin coaxial micromodule (BNC connector).
- The MIL-4231R Repeater comes with one UTP micromodule (shielded RJ-45 connector) and one blank port.
- The MIL-4241R comes with one UTP micromodule (shielded RJ-45 connector) and one multi-mode fiber optic port with an ST connector.

- Create virtually any two-port Ethernet repeater
- Automatically reconnects segmented ports when fault condition is cured
- Automatically partitions ports in the event of faults or excessive collisions
- Provides thick coax uplink to coax backbone
- Eliminates unnecessary traffic on the network
- No need to power cycle or reset unit
- Allows installation anywhere on the network



Features/Specifications

Specifications

- All ports are separately partitioned in response to excessive collision or fault conditions.
- Ports automatically reconnect once fault condition is cured
- Transmit and receive mode, collision detection, and propagation are implemented.
- Full amplitude and retiming regeneration for re-transmitted waveforms removes jitter.
- The deep FIFO eliminates any preamble loss.
- Jabber lock-up protection is provided.
- Automatic polarity reversal is disabled by default.
- Link test is enabled by default.

Features

- Two configurable Micro Module bays
- Compliant with 802.3 repeater specifications
- Rear AUI port (fixed)
- External power supply

Product Package

- Installation Guide
- 110/220 VAC desktop power adapter.

Electrical

- Input: 120VAC/220VAC switchable desktop power supply
- Output: 1.0A at 16VAC maximum

Standards Compliance

- FCC Class A and CISPR22B Class B
- Certification for UL, CSA, TUV and CE

Environmental

- Operating temperature: 0°-55° C (32°-131° F)
- Storage Temperature: 10°-70° C (14°-158° F)
- Operating Humidity: 10%-90% (non-condensing)
- Storage Humidity: 5%-95%(non-condensing)

Digi Service And Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30 day money-back guarantee. 5 year warranty.

Digi International Corporate:

11001 Bren Road East
 Minnetonka, MN 55343
 Tel: 1-800-344-4273
 612-912-3444 or
 FAX: (612) 912-4952
 E-Mail: info@dgii.com
 Web: www.dgii.com

Regional Sales offices

Minnesota: 1-800-344-4273
 California: 1-800-466-4526
 Ohio: 1-800-782-7428
 Tennessee: 1-800-366-8844
 Virginia: (703) 553-2560

International Sales offices:

Denmark: +45 49 17 70 90
 France: +33 1 46 40 39 20
 Germany: +49 221 920 520
 The Netherlands: +31 20 5207 566
 United Kingdom: +44 1276 853 600
 Australia: +61 2 96 80 8944
 Hong Kong: +852 2833 1008
 Singapore: +65 732 1318
 Email: europeinfo@dgii.com
 latinamericaninfo@dgii.com
 pacificriminfo@dgii.com

Dimensions

Height	Width	Depth	Weight
1.75 in. (4.44cm)	5 in. (12.70 cm)	6.0 in. (15.24cm)	Unit 1 lb. 4 oz. (64kg)

Physical

The MIL-4201R series is housed in a compact, sturdy aluminum extrusion with stainless steel front and rear panels for years of maintenance-free use.

Models and Part Numbers

4201R Base Unit	MIL-4201R
4221R Base Unit w/ UTP to Thin Coax	MIL-4221R
4231R Base Unit w/ UTP to Fiber ST	MIL-4231R
4241R Base Unit w/ UTP only	MIL-4241R

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