Pribusin Inc.

Manufacturers of Process

Controls and Instrumentation

Model: MTS-NET

Ethernet Communication Module

Standard Features:

Uses Standard 10/100 Ethernet Connection

Secure Private Network Architecture

User Configurable Poll Rate

Loss of Signal Output

Point-to-Point or Point-to-Multi-Point Topologies

Automatic Recognition of Attached I/O Modules

Integrated Power & Data Bus Reduces Wiring

Modular Design Provides Maximum Flexibility

Easy to Configure with Provided Software

Power: 24 VDC (From Integrated Bus)

Class I, Div. 2 Approval Pending

Function:

The MTS-NET is an ethernet communications module that forms the backbone of an MTS telemetry system. These modules can be configured as 'Host' or 'Remote' and systems can be setup in a 'Point-to-Point' or 'Point-to-Multi-Point' topology. Adjustable polling rates ensure that network traffic is kept to a minimum.

Deployment and installation is as simple as plugging the needed I/O modules into the communications module and assigning unique module ID's. The MTS-NET automatically discovers the I/O modules that are attached to it and does all necessary configuration. Power and communication for the modules are provided through an integral bus.

Network parameter configuration is accomplished by using the provided configuration program.
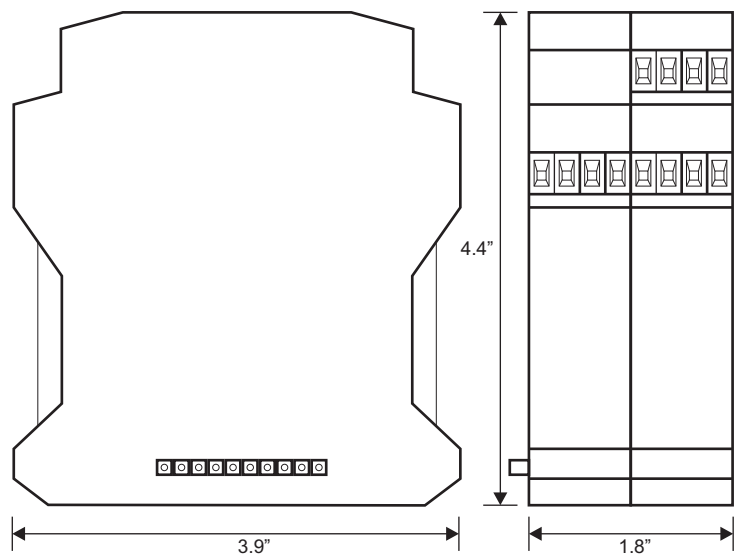
Configuration:

The MTS-NET is configured via a Windows® based configuration program. This program is provided free of charge by Pribusin Inc.
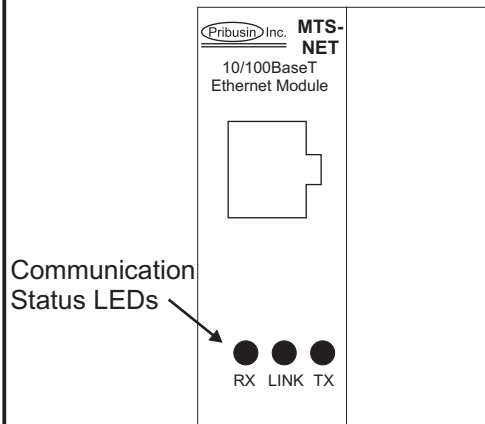
Specifications:

Connection: RJ45 Jack
Network: 10/100 BaseT Ethernet, Cat5
Comm. Speed: 115 Kbps
Power Consumption: 5VA max.
Temperature: -30°C to +70°C (Operating)

MTS-NET

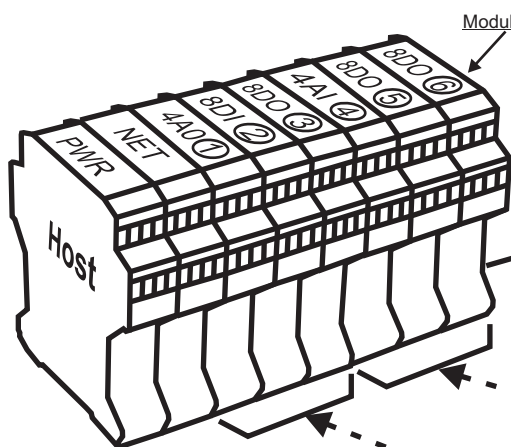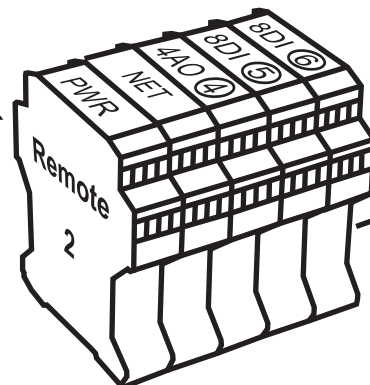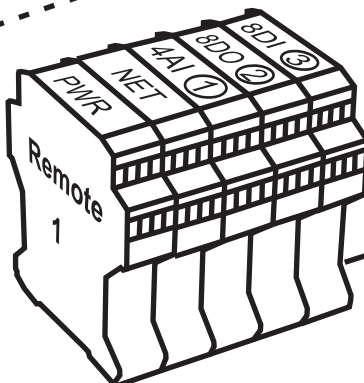## Module Dimensions:

4.4"

3.9"

1.8"

Top View:

Pribusin Inc. **MTS-NET**

10/100BaseT
Ethernet Module

Communication
Status LEDs

RX   LINK   TX

System Example:

Module ID

• Each Input module must have an Output module counterpart
• Each module pair uses the same module ID
• One host radio module can communicate with up to 99 remote radio modules
• Module pairs may be arranged to exchange signals either from Host-to-Remote or Remote-to-Host

PWR NET 4AO ① 8DI ② 8DO ③ 4AI ④ 8DO ⑤ 8DO ⑥

Host

PWR NET 4AO ④ 8DI ⑤ 8DI ⑥

Remote 2

PWR NET 4AI ① 8DO ② 8DI ③

Remote 1

Part No.	Description
MTS-NET	Ethernet Communication Interface
MTS-4DIO	4 Digital Inputs & 4 Digital Outputs
MTS-8DI	8 Digital Inputs
MTS-8DO	8 Digital Outputs
MTS-4AI	4 Analog Inputs
MTS-4AO	4 Analog Outputs
MTS-PWR	24VDC Power Module

Manufactured By:

Pribusin Inc.

www.pribusin.com
info@pribusin.com

USA:
Pribusin Inc.
743 Marquette Ave.
Muskegon, MI 49442
Ph: (231) 788-2900
Fx: (231) 788-2929

CANADA:
Pribusin Inc.
101 Freshway Dr. Unit 57
Concord, Ontario, L4K 1R9
Ph: (905) 660-5336
Fx: (905) 660-4068

Subject to change without notice