- **Powered from DSX Controller**

- **Auto-sensing 10/100 Base-T / Auto-Duplexing**

- **RS-232 / RS485 Controller Communication**

- **Configured through serial port**

- **Dial-Up Modem Backup - Optional**

- **Built by DSX for DSX**

- **Static or Dynamic Communications Server IP**

- **Simple to Configure w/ 3 entries**

- **Password Protected Programming**



## General Application

The DSX-LAN(M) module is typically used to connect a Master Controller to the Host or Comm Server PC over a Local or Wide Area Network. The WinDSX software is inherently TCP/IP capable and can redirect communication, that would normally be transmitted out a serial port, over a LAN/WAN to a particular IP address. The DSX-LAN(M) module receives that communication and converts it to RS-232 or RS-485 that connects directly to the Master Controller. This adds another avenue of flexibility to WinDSX by utilizing TCP/IP communications as well as dial-up modem and direct serial port connectivity. All three means of communication can be used at the same time in the same system. The DSX-LAN(M) is powered from the DSX Controller which can provide battery backup.

The DSX-LAN(M) module is sold in two different configurations. The DSX-LAN which is the module with IP communications as the only method of connectivity. The DSX-LAN(M) has dial up modem backup. The DSX-LAN module must be ordered with the (M) option along with the DSX modem to support the dial-up backup feature.

## Other Applications

The DSX-LAN can also be used at Slave Controllers with the use of the PC Master Software. PC Master is a DSX software application that emulates a Master Controller. It gets its download from the Comm Server PC and communicates with all of the Slaves just like a Master Controller does. What is different about the PC Master software is its ability to communicate with each Slave Controller via TCP/IP or with a serial port connection. This allows Slave Controllers to be placed on the LAN and each one or each group of controllers to have a LAN connections using a LAN module. Modem backup is not available for slave controller communication.

## Dial-up Modem Backup

The DSX-LAN(M) module has a 9 pin serial port that is used to connect a DSX modem for communications redundancy. When the LAN(M) module determines a loss of network connectivity it switches to "Modem Mode" which allows the controller to call the Comm Server or Host PC via the modem when necessary. When the Network connection is re-established the Controller reconnects over the LAN. The modem and the LAN(M) module are powered from the Controller and are connected to each other via the supplied serial cable. Call for availability of this feature

## Power

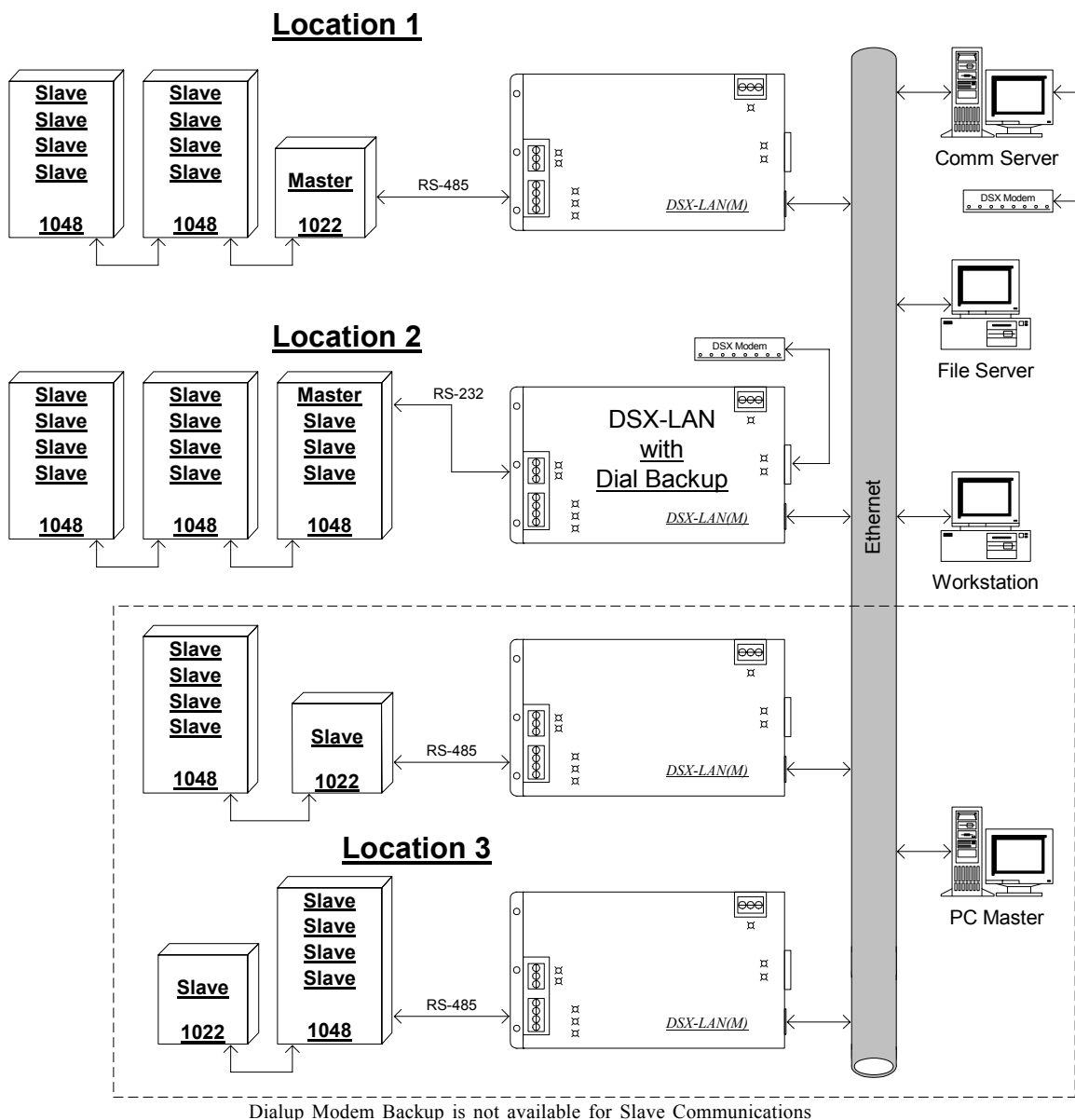The DSX-LAN(M) is powered from one of the Controllers 12VDC outputs requiring a mere 300ma. Powering the module from the DSX Controller provides a good stable battery backed up source.

## Mounting

The DSX-LAN(M) is designed to fit in the same Equipment Cabinet as the DSX-1048 and DSX-1022 Controllers. It can mount on the inside or rest in the bottom of the enclosure. It has three mounting holes and removable terminal blocks.

# DSX-LAN(M)

### Location 1

**Slave**
**Slave**
**Slave**
**Slave**

**1048**

**Slave**
**Slave**
**Slave**
**Slave**

**1048**

**Master**

**1022**

RS-485

*DSX-LAN(M)*

Comm Server

DSX Modem

File Server

### Location 2

**Slave**
**Slave**
**Slave**
**Slave**

**1048**

**Slave**
**Slave**
**Slave**
**Slave**

**1048**

**Master**
**Slave**
**Slave**
**Slave**

**1048**

RS-232

DSX Modem

DSX-LAN
with
Dial Backup

*DSX-LAN(M)*

Ethernet

Workstation

**Slave**
**Slave**
**Slave**
**Slave**

**1048**

**Slave**

**1022**

RS-485

*DSX-LAN(M)*

### Location 3

**Slave**
**Slave**
**Slave**
**Slave**

**Slave**

**1022**

**1048**

RS-485

*DSX-LAN(M)*

PC Master

Dialup Modem Backup is not available for Slave Communications

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# DSX-LAN(M) Specifications

**Size**

DSX-LAN(M)          5.5" W x 3.5" H x 1.0" D

**Weight**

DSX-LAN          12.0 oz.

**Finish**

Black Powder Coat with White Silkscreen.

**Temperature/Humidity**

Operating          0 to 70 C

**Power Requirements**

DC Input Voltage          12 VDC @ 300 ma

**Communication Ports**

RS-232 for Controller          1 - 50 feet max
RS-232 for Modem          1 - Optional
RS-485 for Controller          1 - 4000 feet max
10/100 Base-T          1 - Autosensing

**Warranty**

Limited          2 Year