

Local TDM-8

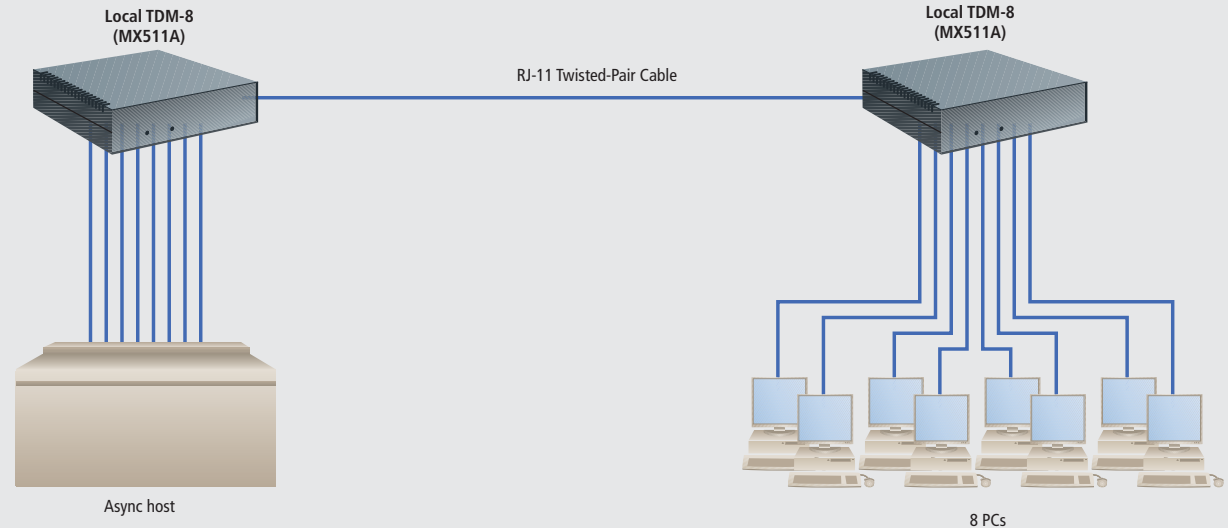


A multiplexor and line driver in one low-cost unit.

FEATURES

- Connects up to eight asynchronous devices.
- Uses existing RJ-11 wiring.
- Installs easily with RJ-11 adapters.
- Transformer isolation protects your data.
- Sends data up to 6000 feet using 24 AWG wire.
- Internal line-equalization jumpers can be set to get the best performance out of the communication line.

Typical application



OVERVIEW

The Local TDM-8 multiplexes data up to 6000 feet to or from eight local async devices.

This mux features built-in surge protection, Alternate Mark Inversion (AMI) encoding to flag potential line problems, and line-equalization jumpers to make sure that your multiplexors are synchronized.

Establish eight independent links.

Each link can run at speeds up to 9600 bps. The composite channel sends data at 671 kbps.

Why pay for expensive cabling?

Low-cost 4-wire, 2-twisted-pair cabling is all you need to provide the link between two Local TDM-8s.

No more equipment to buy.

The Local TDM-8 has built-in high-performance line-driver circuitry. There's no need for you to spend money on additional line drivers or modems, or to access your local telephone company, to complete your system.

Installation is quick and easy.

The Local TDM-8 is small enough to put almost anywhere. The RJ-11 connectors make installation convenient and uncomplicated.

Fine-tune the Local TDM-8 for optimum transmission-line performance.

Line-equalization jumpers can be set for different composite line lengths to compensate for various impedances.

Isolation transformers provide built-in surge protection.

Any differences in ground potential from building to building are eliminated. Common-mode noise differences are also rejected.

Minimizes EMI/RFI.

The metal enclosure prevents electromagnetic interference and radio-frequency interference (EMI/RFI) emissions from interfering with other devices located nearby.

RJ-11 adapters simplify connections.

The adapters will take a DTE or DCE device having a male or female DB25 connector and convert the connection to an RJ-11 connector. Now all you need is four-wire cable with RJ-11 connectors can now be easily installed between your devices and the Local TDM-8.



MX511A

TECH SPECS

Channel Capacity — 8

Composite Interface — Alternate Mark Inversion (AMI), transformer coupled

Data Format — Asynchronous

Diagnostics — Bidirectional Loopback

Enclosure — Metal

Maximum Transmission Distance — 6000 feet (1.83 km) over 24 AWG cable

Speed — Composite: 671 kbps;

Channel: 0 to 9600 bps, each port transparent to data

Connectors — Sub-channels: (8) RJ-11 female;

Composite: (1) RJ-11 female

Indicators — (2) LEDs: SYNC LOSS (data synchronization lost) and PWR (power)

Power Consumption — 3.3 watts

Power Supply — 115 VAC, 60 Hz, wallmount

Size — 1.5"H x 6.5"W x 8.5"D (3.8 x 16.5 x 21.6 cm)

Weight — Unit only: 2.46 lb. (1.12 kg);

Unit with power supply: 3.26 lb. (1.48 kg)

WHAT'S INCLUDED

MX511A:

- ◆ Local TDM-8
- ◆ Power supply
- ◆ User's manual

Item	Code
Local TDM-8	MX511A
You might also need...	
RJ-11 Adapter Kit (male)	FA252
RJ-11 Adapter Kit (female)	FA253

NOTE: The Local TDM-8 must be used in pairs.

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

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