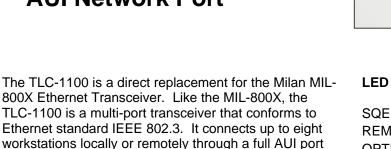
TLC-1100

8-Port Ethernet Transceiver with AUI Network Port



Local Mode

An external transceiver is not required. Allows eight workstations to communicate with each other.

for connection to a 10Base5 Ethernet transceiver tap.

The TLC-1100 can drive cable lengths up to 50 meters.

Remote Mode

An external transceiver is required. Allows eight workstations to communicate with each other and the network.

Features

- Externally SQE selectable
- Externally Local and Remote selectable
- LEDs display TLC-1100 network activity at a glance.



LED Displays

SQE	Lit when SQE is enabled
REMOTE	Lit when in remote mode

OPTION 1,2 Not used

JABBER Lit when jabbers occur

REMOTE COL Lit when remote collisions occur REMOTE RCV Lit when receiving data from the

network

LOCAL COL
Lit when local collisions occur
LOCAL RCV
Lit when receiving local traffic
SYSTEM
Lit when unit is operational
EXT. POWER
Lit when power is being received

from a wall adapter

PORT 1 Lit when power is being received

POWER by port 1

Additional LEDs indicate port activity:

NETWORK Lit when data is being received

PORT on port

INDIVIDUAL Lit when data on port is

PORT transmitting

75 Gateway Boulevard, Cottage Grove, Oregon 97424 E-Mail: sales@logical-co.com

Specifications

AUI Network Port

Physical Dimensions Materials	8.5"H x 5.25"W x 1.0"D Lightweight aluminum alloy with satin-black finish.		Connector	15-position, D-sub receptacle with protective ground	
maionaio			Signals	<u>Pin</u> 1	<u>Signal</u> Open
Transmitter Frequency Range Input Impedance Differential	Typical 4-20MHz	Worst Case 5-15MHz		2 3 4 5	Control In - A Data Out - A Open Data In - A
Transmitter Input	78ohm	76-80ohm		6 7	Voltage Open
Input Voltage Range	200-1500mV			8	Open
Input Sensitivity Startup Delay	100mV 50ns	75-150mV 100ns		9 10 11	Control In - B Data Out - B Open
Transmitter Output	70.0hm	76 00		12	Data In - B
Output Impedance Output Current	78ohm 40mA	76-80 60mA		13	Voltage (+12V Power Output)
Output Voltage	10111/1	Oomii (14	Open
Differential	900mV	500mV		15	Open
Symmetry	0.25ns	0.50ns			
Collision Output Frequency	10MHz	9-11MHz	Local Ports		
Turn-on Delay Turn-off Delay Input Sensitivity	50ns 250ns 100mV	150ns 300ns 75-150mV	Connector		sition, D-sub plug with ctive ground
Power Requirements From AUI on Port 1 Plus		Signals	Pin 1	<u>Signal</u> Open	
Power Required by MAU 200mA @ 12VDC			2 3	Control Out - A Data In - A	
Power Supply External AC Adapter Input Voltage	Typical	Worst Case		4 5 6	Open Data Out - A Voltage Common*
47-63Hz Output Voltage	120VAC	90-130VAC		7 8	Open Open
VAC 600mA	16.5V	14.5V		9 10	Control Out - B Data In - B
Switch Configuration			11 12 13	Open Data Out - B Voltage Plus (+12V	
Switches on the read of the unit allow you to enable SQE (heartbeat) and to set the unit for Local or Remote operation.				14 15	Power Input) Open Open