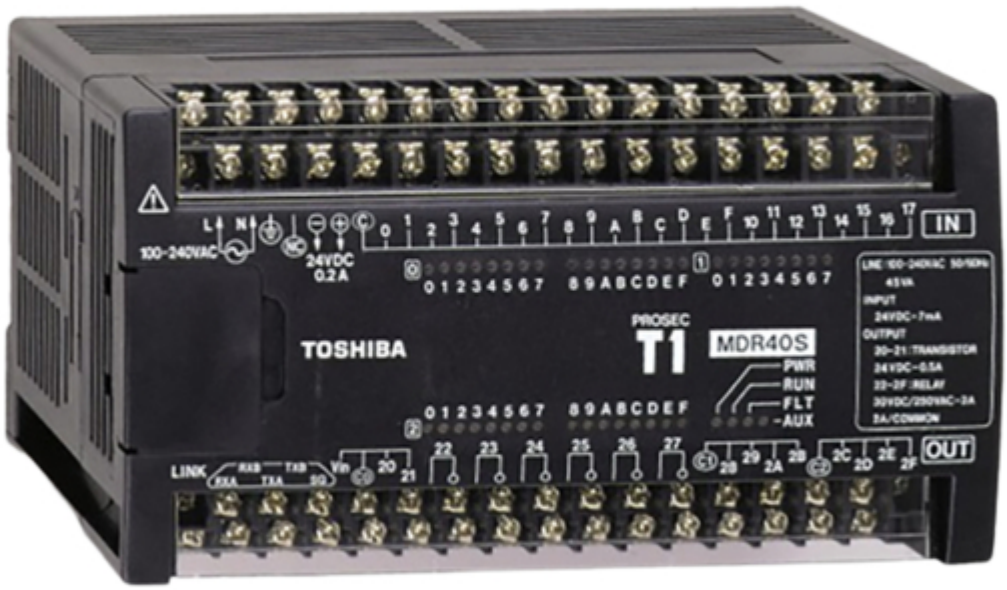
L1
N
100-240VAC
24VDC
0.2A
0 1 2 3 4 5 6 7 8 9 A B C D E F 10 11 12 13 14 15 16 17
IN
0 1 2 3 4 5 6 7 8 9 A B C D E F 0 1 2 3 4 5 6 7
TOSHIBA
PROSEC
T1
MDR40S
PWR
RUN
FLT
AUX
LINE 100-240VAC 50/60Hz
45VA
INPUT
24VDC-7mA
OUTPUT
20-21: TRANSISTOR
24VDC-0.5A
22-2F: RELAY
30VDC/250VAC-2A
5A/COMMON
0 1 2 3 4 5 6 7 8 9 A B C D E F
LINK
RXA
TXA
TXB
SG
Vin
20
21
22
23
24
25
26
27
28
29
2A
2B
2C
2D
2E
2F
OUT

Toshiba T1 Using Manual

Toshiba modem user manual

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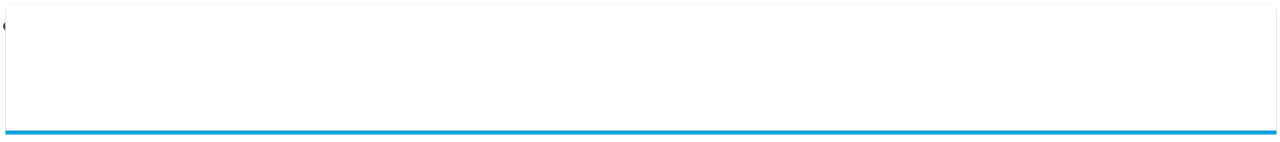
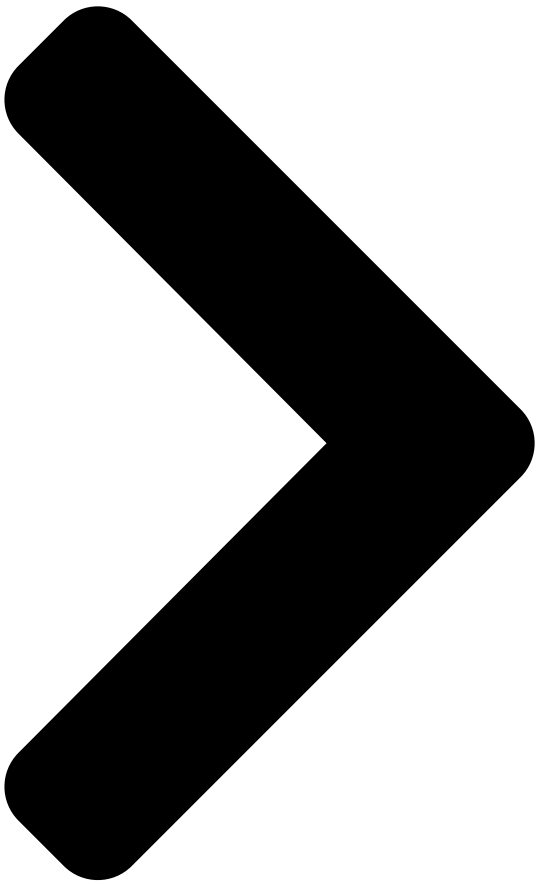


Bookmarks

Quick Links
Download this manual See also: Installation Manual

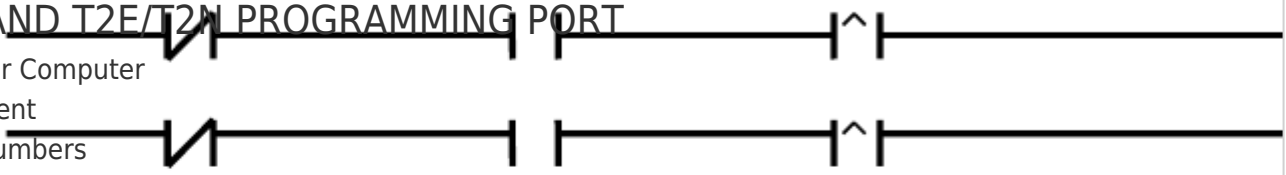


In Touch With Tomorrow

Programmable Controllers

MODEM COMMUNICATIONS WITH THE T1 AND T2E/T2N

USING T-PDS WINDOWS FOR DIAL–UP COMMUNICATIONS WITH TOSHIBA T1 AND T2E/T2N PROGRAMMING PORT



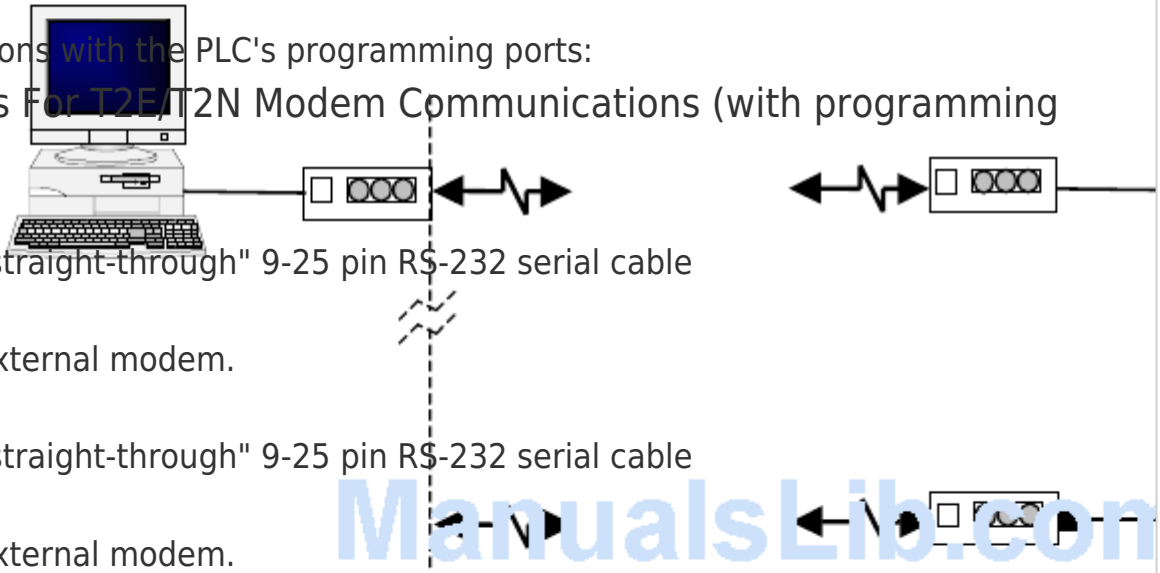
Master Computer
Different
Ph. Numbers
Stored in T-PDS
Software

Toshiba PLC users can expand their remote diagnostics and remote programming capabilities
by using Hayes

compatible modem communications over the Public Switched Telephone Network with standard analog phone lines and standard modems. Please note that "analog" line means a normal dial-in dial–out phone line similar to the ones that you have at home (i.e., about 48Vdc open circuit voltage with about 110Vac ring voltage). This does not include the digital phone lines in most offices that use modern digital PBX systems. Plugging a modem directly into one of these digital office lines may destroy the modem.

We used US Robotics 56K Sportster Hayes compatible modem will work. Here is the list of equipment that you need for modem communications with the PLC's programming ports:

Accessories For T2E/T2N Modem Communications (with programming port):



PC Side:
a standard "straight-through" 9-25 pin RS-232 serial cable
a
9600 baud external modem.
PLC Side:
a standard "straight-through" 9-25 pin RS-232 serial cable
a
9600 baud external modem.

See Note 1 on page 5

TOSHIBA
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13131 West Little York Road
PH. 800 231- 1412, 713-466-0277
E-Mail plc@tic.toshiba.com

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Line
Telephone
Line
T2E/T2N PLC
Modem
RS232
Modem
w/Null
T1/T1S PLC
Modem
Adapter

external modems for our tests, but just about any external

®

®

RS232
Houston, TX 77041
FAX 713-466-8773
March 1998

TOSHIBA

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Controller Toshiba T1 Specifications

Programmable controller (20 pages)

Network Card Toshiba Eagle T1 Series PLCs Installation Manual

Toshiba programmable controllers installation guide (2 pages)

Network Hardware Toshiba T2N Instruction Manual

Cpu module ethernet port (179 pages)

Controller Toshiba NV Series Hardware Manual

Unified controller (177 pages)

Controller Toshiba T2E Brochure & Specs

Toshiba programmable controller product brochure (24 pages)

Network Hardware Toshiba PROSEC T2 Series User Manual

Modbus module (24 pages)

Network Hardware Toshiba TOSLINE-S20 Instruction Manual

Tosline-s20 active star coupler (41 pages)

Network Hardware Toshiba TOSLINE-S20LP Instruction Manual

T2n/t3h stations local area network (lan) for factory automation (fa) system (66 pages)

Network Hardware Toshiba V Series User Manual

(60 pages)

Network Hardware Toshiba VF-A7 Instruction Manual

Ethernet communications interface for the toshiba 7 series and 9 series adjustable speed drives (50 pages)

Network Hardware Toshiba RTM20 Brochure & Specs

Temperature control relay (6 pages)

Network Hardware Toshiba S2T Setup Manual

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Network Hardware Toshiba TOSDIC-CIE DS Instruction Manual

Svr service control package (43 pages)

Network Hardware Toshiba RBC-FDP2-F-PE Installation And Operating Instructions

Interface (2 pages)

Summary of Contents for Toshiba T1

Page 1 Ph. Numbers Stored in T-PDS Software Toshiba PLC users can expand their remote diagnostics and remote programming capabilities by using Hayes compatible modem communications over the Public Switched Telephone Network with standard analog phone lines and standard modems. Please note that “analog” line means a normal dial-in dial–out phone line similar to the ones that you have at home (i.e., about...

Page 2 There are 3 Setup Steps: STEP 1: CONFIGURE THE PLC First, let's set up the PLC's Computer Link parameters. Go Online with the T1 or T2E/T2N using the normal "Direct" method. We will need to open the System Parameters screen as shown below:...

Page 3 Click on the "Computer Link" button in the System Parameters screen, and the "ComputerLink Setup" menu will appear. Select a station number for the PLC, then click the "Communication Parameter" button . Select "NON" parity setting, and then click the "OK" buttons. When the "Write OK"...

Page 4 Now let's go to the Modem Control box and finish the T-PDS configuration. The Modem Control box is a handy database that will store a remote site name, modem initialization parameters, and the phone number of the remote site. You can move between the fields using the TAB key. The most important parameter here is the "Initialize"...

Page 5 If you are using a T1, remember to attach the null-modem module to the modem's RS-232 cable. Also, in the T1 version 1.2 as well as the Super T1-40, register SW038 is the Computer Link Response Delay setting which can be used with the default setting of 30 (for a 300 ms delay) or can be lowered if needed.

Page 6 If you have one of these PLCs and would like to use modem communications, you must use a modem that supports odd parity. This will apply if you have a T1 with firmware version earlier than 1.2, or any of the T2 series that is not a T2E/T2N. Most T3's will also require an odd parity modem.

This manual is also suitable for:

T2eT2n