www. tic.toshiba.com

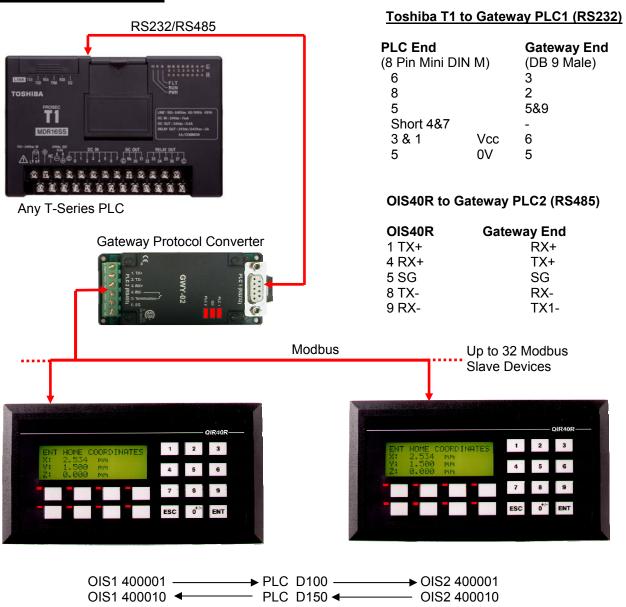
July 2003

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## **One PLC with Multiple OIS40Rs**

## **Connection Diagram**



Notes: 1. OIS40Rs are configured as Modbus Slaves using OISetup32 software.

- 2. 400001, etc = Modbus holding registers.
- 3. D100, etc = PLC data registers.

## **Gateway Program**

Block No.	#Words	Source PLC	Source ID	Source Address	Destination PLC	Destination ID	Destination Address	Repeat
1	01	Modbus	1	400001	Toshiba T Serie	1	D0100	1
2	01	Toshiba T Serie	1	D0100	Modbus	2	400001	1
3	01	Modbus	2	400010	Toshiba T Serie	1	D0150	1
4	01	Toshiba T Serie	1	D0150	Modbus	1	400010	1

## **Other Connected Devices**

Devices connected in this manner are not limited to just OIS40Rs (Operator Interface Stations). The connected devices can be any device which supports the Modbus (RTU) slave protocol. These devices include:

► Adjustable Speed Drives	► Motor Protection Relays	► Soft Starters
► Custom µComputer Boards	► PID Controllers	► Remote I/O
► Touch Screens (OIS60)	► Flow Computers	► Flow Meters

Any combination of the above devices maybe used.

Using the Gateway to connect multiple devices to a T-Series PLC is a very cost effective way to share data or allow the PLC to act as the central decision maker. Many of the above devices have the Modbus slave protocol built-in, so there is no extra cost for this connection. And, both the Toshiba PLC and the Gateway are priced very economically.