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# **Toshiba**

# Toshiba PROSEC T-Series (SIO) Driver

- 1 System Structure
- 2 Cable Diagrams
- 3 Supported Device Addresses
- 4 Consecutive Device Addresses
- 5 Environment Setup
- 6 I/O Manager Configuration
- 7 Driver Configuration
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- 9 Device Address Configuration

- This manual explains how to connect the target machine with devices from other manufacturers.
   For information about how to use the Pro-Designer software, please refer to the Pro-Designer Online Help.
- The types of target machines that are compatible with Pro-Designer depends on the Pro-Designer version. For information about target machine compatibility, please refer to the Pro-Designer Online Help.

# 1 System Structure

The following table describes the basic system setup for connecting the target machine to Toshiba PLCs over a serial connection.

To view a cable connection diagram for a particular communication format, see Section 2 – *Cable Diagrams*.

Series	CPU	Link I/F	Comm. Format	Diagram
		CPU Programmer Port	RS-232C	Cable Diagram 1
	T1	CU111	RS-485	Cable Diagram 2
			RS-485 (1:n)*1*2	Cable Diagram 3
		CPU Programmer Port	RS-232C	Cable Diagram 1
		CU111	RS-485	Cable Diagram 2
	T1S	00111	RS-485 (1:n)*1	Cable Diagram 3
		CPU Computer Link Port	RS-485	Cable Diagram 4
		or o computer links of	RS-485 (1:n)*1	Cable Diagram 5
	T2	CPU Module: Computer Link Port (PU224 only)	RS-485	Cable Diagram 6
PROSEC T-Series	12		RS-485 (1:n)*1	Cable Diagram 7
		CPU Module: Programmer Port	RS-232C	Cable Diagram 8
	T2E	CM231E	RS-485	Cable Diagram 9
		CM232E	RS-232C	Cable Diagram 10
		CPU Module: Programmer Port	RS-232C	Cable Diagram 8
	T2N		RS-232C	Cable Diagram 11
	1211	CPU Module: Computer Link Port	RS-485	Cable Diagram 6
			RS-485 (1:n)*1	Cable Diagram 7
	T3	CPU Module: Computer Link Port	RS-485	Cable Diagram 12
	T3H	S. S Maddio. Computer Emix Fort	RS-485 (1:n)*1	Cable Diagram 13

<sup>\*1</sup> Up to 32 PLCs can connect to the target machine.

<sup>\*2</sup> Supports PLC version 1.1 or higher.

# 2 Cable Diagrams

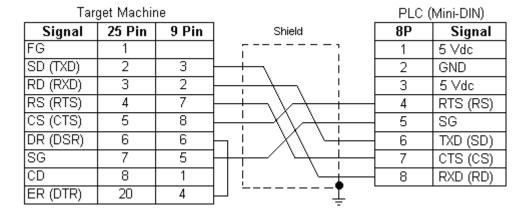
The illustrated cable diagrams and those recommended by Toshiba may differ. However, Pro-face recommends using the following diagrammed connections.

- Ground the PLC's FG terminal according to your country's applicable standard. For details, refer to the PLC manual.
- When using a connector hood, and you are grounding the FG line, be sure to use an electrical conductor.
- When making your own communication cable, be sure to connect the SG signal.

# Diagram 1 RS-232C

To connect the target machine and the PLC, use a recommended cable (and a pin adapter if necessary), or create your own cable using the following specifications.

Target Machine	Cable / Adapter	Comments
GP, PS-P,	RS-232C Cable (Toshiba: PT16S) 2m	Cable length: 15m max.
PC/AT(PL), PS-G	User-created Cable	Cable leligili. 15111 Illax.





Do NOT connect wires to Pins 1, 2, or 3 on the PLC. Pins 1, 2, and 3 are NOT used for communication.

# Diagram 2 RS-485

To connect the target machines and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

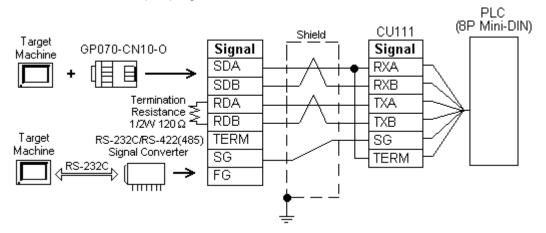
Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	0.11.1
GP , P5-P	b RS-422 Cable (Pro-face: GP230-IS11-O)	Cable length: 500m max.
	c User-created Cable	max
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.



Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.

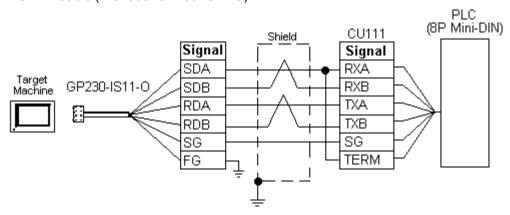
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter



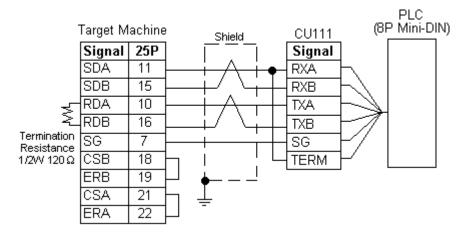
# ${\sf MEMO}$

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

# b. RS-422 Cable (Pro-face: GP230-IS11-O)



### c. User-created Cable



# Diagram 3 RS-485 (1:n)

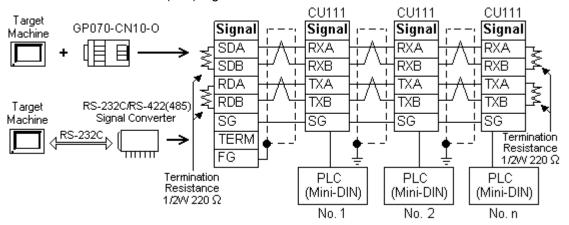
To connect the target machines and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	Cable length: 500m max.
	b User-created Cable	Cable length. 500m max.
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.

# ${\sf MEMO}$

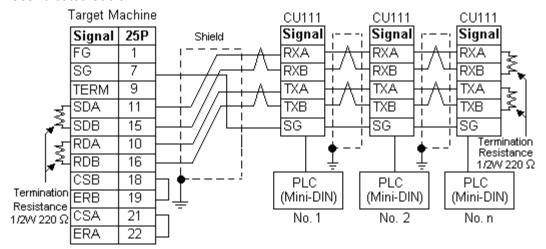
- Normally, the T1S uses the CPU's computer link port (RS-485) for multidrop connections.
- Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.
- Up to 32 PLCs can connect to the target machine.
- a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)
   OR: RS-232C/RS-422(485) Signal Converter



# МЕМО

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. User-created Cable



# Diagram 4 RS-485

To connect the target machine and the PLC, use a signal converter or create your own cable using the following specifications.

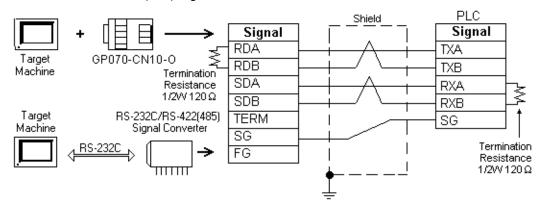
Target Machine	Cable / Adapter	Comments
GP <sup>*1</sup> , PS-P <sup>*1</sup>	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	Cable length: 500m
	b User-created Cable	max.
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.

МЕМО

Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.

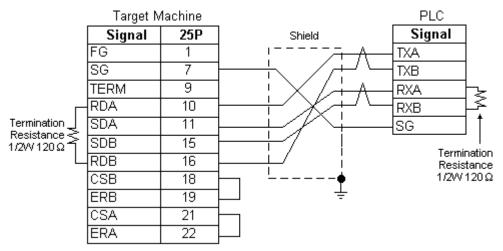
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter



# **MEMO**

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. User-created Cable



# Diagram 5 RS-485 (1:n)

To connect the target machines and the PLC, use a signal converter or create your own cable using the following specifications.

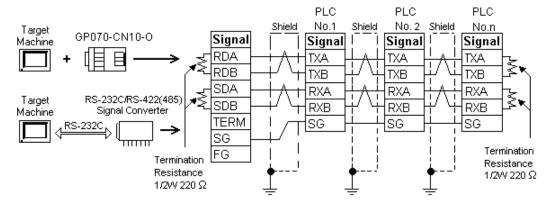
Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	Cable length: 500m
	b User-created Cable	max.
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

### \*1 Connect to COM1.



- Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.
- Up to 32 PLCs can connect to the target machine.

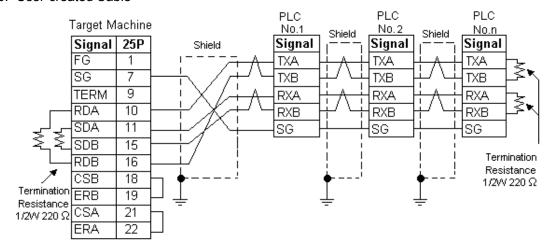
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)
 OR: RS-232C/RS-422(485) Signal Converter



# **MEMO**

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. User-created Cable



# Diagram 6 RS-485

To connect the target machine and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

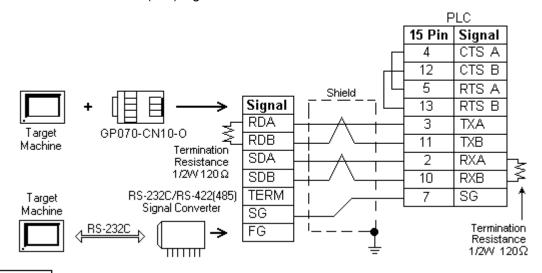
Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	0.11.1
GP , PS-P	b RS-422 Cable (Pro-face: GP230-IS11-O)	Cable length: 500m max.
	c User-created Cable	mux.
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.



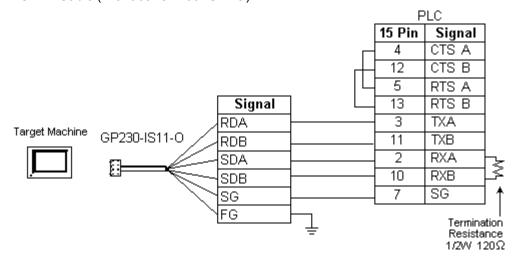
Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.

a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter

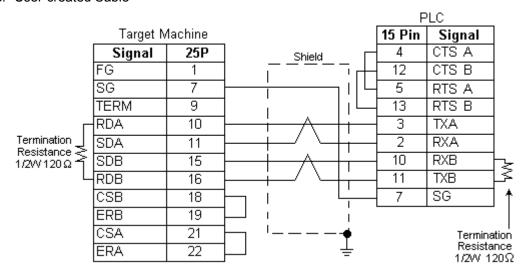


- MEMO
- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

# b. RS-422 Cable (Pro-face: GP230-IS11-O)



### c. User-created Cable



# Diagram 7 RS-485 (1:n)

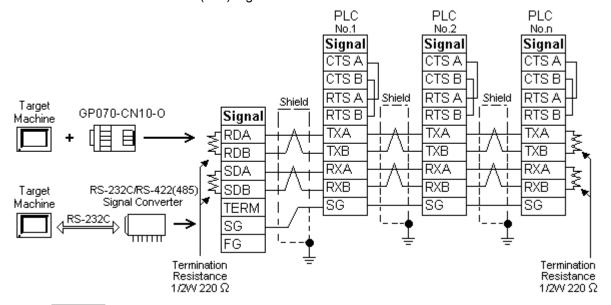
To connect the target machines and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

Target Machine	Cab	ole / Adapter	Comments
GP*1, PS-P*1		RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	Cable length: 500m
	b	User-created Cable	max.
PC/AT(PL), PS-G	а	RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.

# MEMO

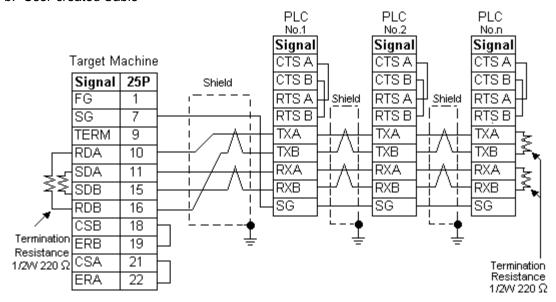
- Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.
- Up to 32 PLCs can connect to the target machine.
- a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)
   OR: RS-232C/RS-422(485) Signal Converter



# MEMO

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. User-created Cable

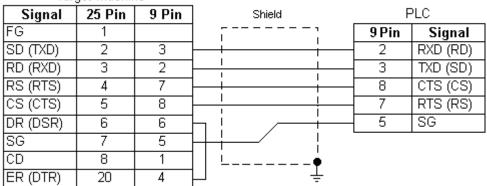


# Diagram 8 RS-232C

To connect the target machine and the PLC, create your own cable using the following specifications.

Target Machine	Cable / Adapter	Comments
GP, PS-P, PC/AT(PL), PS-G	User-created Cable	Cable length: 15m max.

Target Machine



# Diagram 9 RS-485

To connect the target machine and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

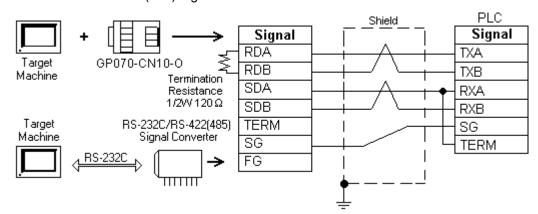
Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	O-blada
IGP ', PS-P '	b RS-422 Cable (Pro-face: GP230-IS11-O)	Cable length: 500m max.
	c User-created Cable	
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

\*1 Connect to COM1.



Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.

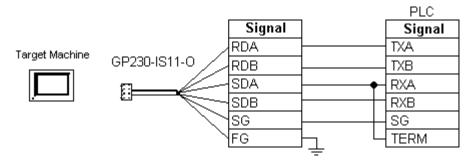
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter



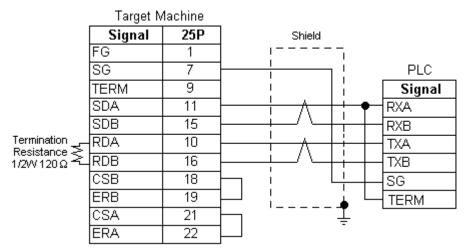
# ${\sf MEMO}$

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. RS-422 Cable (Pro-face: GP230-IS11-O)



### c. User-created Cable



### Diagram 10 RS-232C

To connect the target machine and the PLC, create your own cable using the following specifications.

Target Machine	Cable / Adapter	Comments
GP, PS-P, PC/AT(PL), PS-G	User-created Cable	Cable length: 15m max.

Target Machine PLC 25 Pin 9 Pin Signal Shield FG 9 Pin Signal 2 SD (TXD) 3 2 RXD (RD) RD (RXD) 3 2 3 TXD (SD) RS (RTS) 4 8 CTS (CS) 7 5 8 RTS (RS) CS (CTS) 5 DR (DSR) 6 6 SG SG 7 5 8 CD 1 20 ER (DTR) 4

# Diagram 11 RS-232C

To connect the target machine and the PLC, create your own cable using the following specifications.

Target Machine	Cable / Adapter	Comments
GP, PS-P, PC/AT(PL), PS-G	User-created Cable	Cable length: 15m max.

Target Machine

Signal	25 Pin	9 Pin	Shield	F	PLC
FG	1		[	15 Pin	Signal
SD (TXD)	2	3		12	RXD (RD)
RD (RXD)	3	2		5	TXD (SD)
RS (RTS)	4	7		6	RTS (RS)
CS (CTS)	5	8	<del></del>	14	CTS (CS)
DR (DSR)	6	6		7	SG
SG	7	5	<del>                                     </del>		
CD	8	1	1		
ER (DTR)	20	4	]		

# Diagram 12 RS-485

To connect the target machine and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

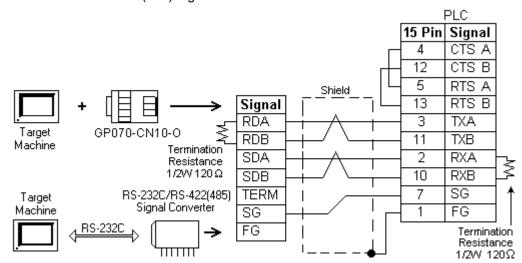
Target Machine	Cable / Adapter	Comments
GP*1, PS-P*1	a RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	0.11.1.11.500
GP , PS-P	b RS-422 Cable (Pro-face: GP230-IS11-O)	Cable length: 500m
	c User-created Cable	max
PC/AT(PL), PS-G	a RS-232C / RS-422(485) Signal Converter	

<sup>\*1</sup> Connect to COM1.

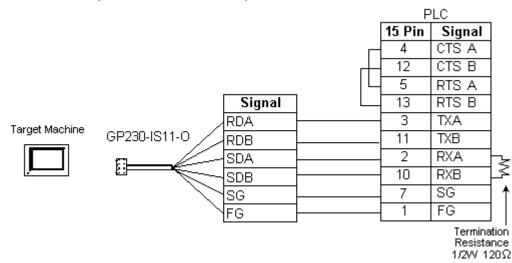


Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.

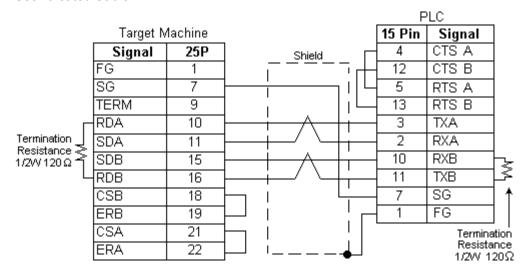
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter



- MEMO
- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.
- b. RS-422 Cable (Pro-face: GP230-IS11-O)



### c. User-created Cable



# Diagram 13 RS-485 (1:n)

To connect the target machines and the PLC, use a recommended cable (and a pin adapter if necessary), a signal converter, or create your own cable using the following specifications.

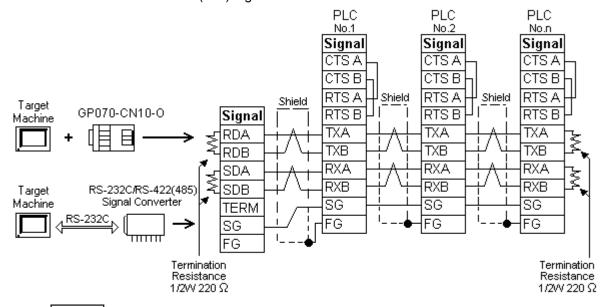
Target Machine	Cable / Adapter		Comments	
GP <sup>*1</sup> , PS-P <sup>*1</sup>		RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O)	Cable length: 500m	
	b	User-created Cable	max.	
PC/AT(PL), PS-G		RS-232C / RS-422(485) Signal Converter		

### \*1 Connect to COM1.



- Use shielded twisted-pair cables for noise immunity. Connect the cable shields, then connect the cable to a single-point ground on the PLC side.
- Up to 32 PLCs can connect to the target machine.

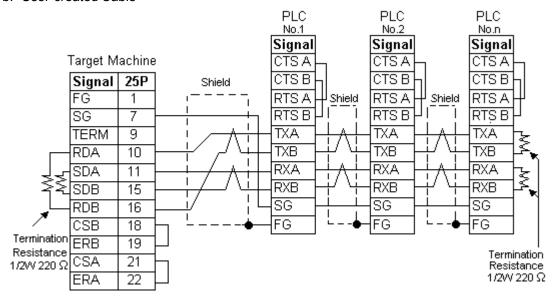
a. RS-422 Connection Terminal Adapter (Pro-face: GP070-CN10-O) OR: RS-232C/RS-422(485) Signal Converter



# MEMO

- As the RS-422(485) side of the RS-232C/RS-422(485) signal converter is a terminal, use any external line other than the communication line for the power cable.
- Follow the specifications for your RS-232C/RS-422(485) signal converter when connecting termination resistance on the RS-422(485) terminal.
- The RS-232C connection between the RS-232C/RS-422(485) signal converter and target machine depends on the signal converter. Refer to its specifications when connecting the signal converter and target machine.

### b. User-created Cable



# 3 Supported Device Addresses

The following table lists the device address ranges you can enter from the Device Address keypad. For actual device address ranges supported by the PLC, refer to the corresponding PLC manual. Supported device addresses differ from protocol to protocol and between PLC models.

MEMO

The maximum length of String variables set up with the Prosec T-Series PLC is 64 bytes.

Device	Bit Address	Word Address	16 bit	32 bit
External Input	X0000 – X511F	XW000 – XW511		
External Output	Y0000 – Y511F	YW000 – YW511		
Auxiliary Relay	R0000 – R999F	RW000 – RW511	1	
Special Relay	S0000 – S255F	SW000 - SW255		
Link Register Relay*1*2	Z0000 – Z999F	_		
Link Register*1*2	W00000 – W2047F	– W2047F   W0000 – W2047		L/H*4
Link Relay	L0000 – L255F LW000 – LW255		L/H*4	
Timer (contact)	T.000 - T.999*3	_	]	
Counter (contact)	C.000 - C.511*3	_		
Timer (current value)	_	T000 – T999		
Counter (current value)	_	C000 – C511		
Data Register*2	D00000 – D8191F	D0000 – D8191		
File Register*2	F00000 – F32767F	F0000 – F32767		

- \*1 Link Register Relay bit addresses (Z) and Link Register addresses (W) refer to the same memory location.
- \*2 Read-modify-write. When you write to one of these bit addresses, the target machine reads the entire word address, sets the defined bit, then returns the new word address to the PLC. If the ladder program writes data to this word address during the bit read/write process, the resulting data may be incrorrect.
- \*3 Read-only.
- \*4 16-bit and 32-bit data, High and Low, refer to data as defined in the following examples.

Byte		16 bit			Word		32 bit		
0	7		0	L (Low)	0	15		0	L (Low)
1	15		8	H (High)	1	31		16	H (High)

# 4 Consecutive Device Addresses

The following table lists the maximum number of consecutive addresses that can be read by each PLC. Refer to this table when using block transfers.



- To speed up data communication, use consecutive device addresses on the same panel screen.
- The following situations increase the number of times that the device is read, and reduces the data communication speed between the target machine and the PLC:
  - when the number of consecutive addresses exceeds the maximum
  - when an address is designated for division
  - when different device types are used

Device	Max. Consecutive Address	Gap Span	
Auxiliary Relay (R)			
Link Register Relay (Z)			
External Input (X, XW)			
External Output (Y, YW)			
Auxiliary Relay (RW)	32 Words	20 words	
Special Relay (S, SW)	32 Words	20 Words	
Link Register (W)			
Link Relay (L, LW)			
Data Register (D)			
File Register (F)			
Timer [contact] (T.)		13 Words	
Counter [contact] (C.)	32 Words		
Timer [current value] (T)	02 WOIG5		
Counter [current value] (C)			

# 5 Environment Setup

The following table lists the communication settings, recommended by Pro-face, for the target machine and Toshiba PLCs.

For details, see Section 7 – *Driver Configuration*, and Section 8 – *Protocol Configuration*.

### RS-232C

	Target Machine	CPU Module			
	Serial Interface	RS-232C	_		
	Flow Control	DTR(ER)/CTS	_		
	Transmission Speed	9600 bps*1	Baud Rate	9600 bps*1	
	Retry Count	2	_	_	
Driver	Parity Bit	Odd	Parity Bit	Odd	
	Stop Bit	1 bit	Stop Bit	1 bit	
	Data Length	8 bits	Data Length	8 bits	
	Rcv. Timeout	10 sec	<del>-</del>		
	TX Wait Time	0 msec	_		
Protocol	Station No.	1	Station No. 1		

<sup>\*1</sup> You can use a Transmission Speed (Baud Rate) of 19200bps for T2N's computer link port and T2E's CM232E optional card.

# RS-485 (1:1 or 1:n)

Target Machine				CPU Module	
		GP, PS-P PC/AT(PL),PS-G		Ci o iviodule	
Driver Interface	Serial Interface	RS-422(4-w ire)	RS-232C*1	Connection Format	RS-485
	Flow Control	None	DTR(ER)/CTS	_	_
	Transmission Speed	19200 bps <sup>*2</sup>		Baud Rate	19200 bps <sup>*2</sup>
	Retry Count	2	2	_	
	Parity Bit	Odd		Parity Bit	Odd
	Stop Bit	1	bit	Stop Bit	1 bit
	Data Length	8 b	oits	Data Length	8 bits
	Rcv. Timeout	10	sec	_	
	TX Wait Time 0 msec		_	_	
Protocol	Station No.	1		Station No.*3	1

<sup>\*1</sup> By using a RS-232C/RS-422(485) signal converter, you can use RS-485 connections with PC/AT (PL Series) and PS Series Type G target machines. In such a configuration, make sure you set the Driver's Serial Interface to RS-232C.

<sup>\*2</sup> When using the CU111 on T1 and T1S units, Transmission Speed (Baud Rate) is 9600bps.

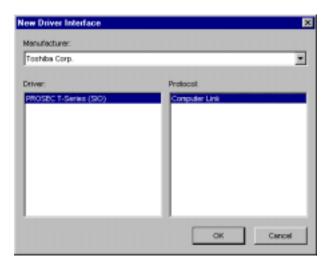
<sup>\*3</sup> When using a 1:n connection, set up a different Station No. for each PLC. You can connect a maximum 32 PLCs.

# 6 I/O Manager Configuration

The driver and protocol, which enable communication between the target machine and the PLC, depends on the PLC type.



For information on how to display the [New Driver Interface] dialog box, see the online help.



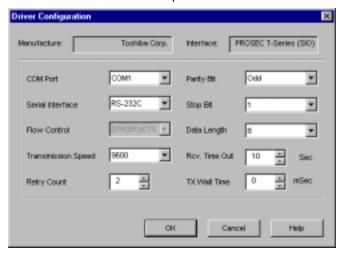
# 7 Driver Configuration

To configure the communication settings of the serial driver in the target machine, use the [Driver Configuration] dialog box. Make sure the settings match those of the PLC.

For an overview of the driver and protocol settings, see Section 5 – *Environment Setup*.

MEMO

For information on how to display the [Driver Configuration] dialog box, see the online help.



### Manufacturer

Displays the name of the PLC manufacturer.

### Interface

Displays the type of serial connection used to connect the target machine to the PLC.

### COM Port

Defines which COM port to use on the target machine, for connecting to the PLC.



Select COM1 for PS Series Type G target machines. Connection is not possible using COM2.

### Serial Interface

Defines the serial connection: RS-232C or RS-422 (4-wire).

For details about the supported connections, see Section 2 – *Cable Diagrams*.

### Flow Control

Defines the signals that control the data flow.

### **Transmission Speed**

Sets the communication speed in bits per second. This setting must match the PLC baud rate.

### Retry Count

Defines the number of times the driver tries to send or receive data when there is an error.

### Parity Bit

Sets either a parity bit [Even or Odd] for use in detecting communication errors, or [None] at all.

### Stop Bit

Defines the stop bit: 1 bit or 2 bits.

# Data Length

Defines the length of each unit of data: 7 bit or 8 bit.

### Rcv. Timeout

Defines the length of time the target machine waits for a response before it outputs a timeout error or sends another communication.

### TX Wait Time

Defines the number of milliseconds that the target machine waits, after receiving a communication packet, before sending a response.

# **8** Protocol Configuration

To set up details about the communication process between the target machine and the PLC, use the [Protocol Configuration] dialog box.

For an overview of the driver and protocol settings, see Section 5 – *Environment Setup*.

MEMO

For information on how to display the [Protocol Configuration] dialog box, see the online help.



### Station No.

Enter a value (1–32) to identify which PLC unit to communicate with.

MEMO

Up to 32 PLCs can connect to the target machine.

# 9 Device Address Configuration

To set up a PLC variable in the Variable List, use the device address keypad from the variable properties.

See Section 3 – Supported Device Addresses.



For information on how to display the device address keypad, see the online help.



### Device

Lists the PLC's discrete and word device types.

### Address

Enter the device address for the PLC variable. The keypad ensures that you enter the correct