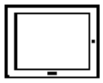
Connecting Rockwell (Allen-Bradley) PLC

SLC500 Series (Ethernet)

Applicable Models

Model 	Products	Option Ethernet	Existence of Internal Ethernet Port
GP	GP-377RT	Yes*1 (GP377R-MLTE41)	No
	GP-477RE	Yes*1 (GP077-MLTE41, GP070-ET41)	No
	GP-577RS	Yes*1 (GP077-MLTE41, GP070-ET41)	No
	GP-577RT	Yes*1 (GP077-MLTE41, GP070-ET41)	No
	GP-2300L	No	Yes
	GP-2300T	No	Yes
	GP-2400T	No	Yes
	GP-2500T	Yes*2*3	Yes
	GP-2501S	Yes*1*2 (GP077-MLTE41, GP070-ET41)	No
	GP-2501T	Yes*1*2 (GP077-MLTE41, GP070-ET41)	No
	GP-2600T	Yes*2*3	Yes
GLC	GLC2300L	No	Yes
	GLC2300T	No	Yes
	GLC2400T	No	Yes
	GLC2600T	Yes*2*3	Yes

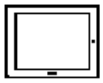
*1 2 Way Driver (Pro-Server, GP-Web) cannot be used.

*2 To use the Option Ethernet I/F Unit, a bus conversion unit (PSL-CONV000) is required separately.

*3 When using the Option Ethernet I/F Unit, it's possible to put the network where applications like 2Way Driver (Pro-Server, GP-Web) can be used and the network that PLC uses into separate classes or net numbers. In this case, the PLC communicates with the Option Ethernet I/F Unit's side.

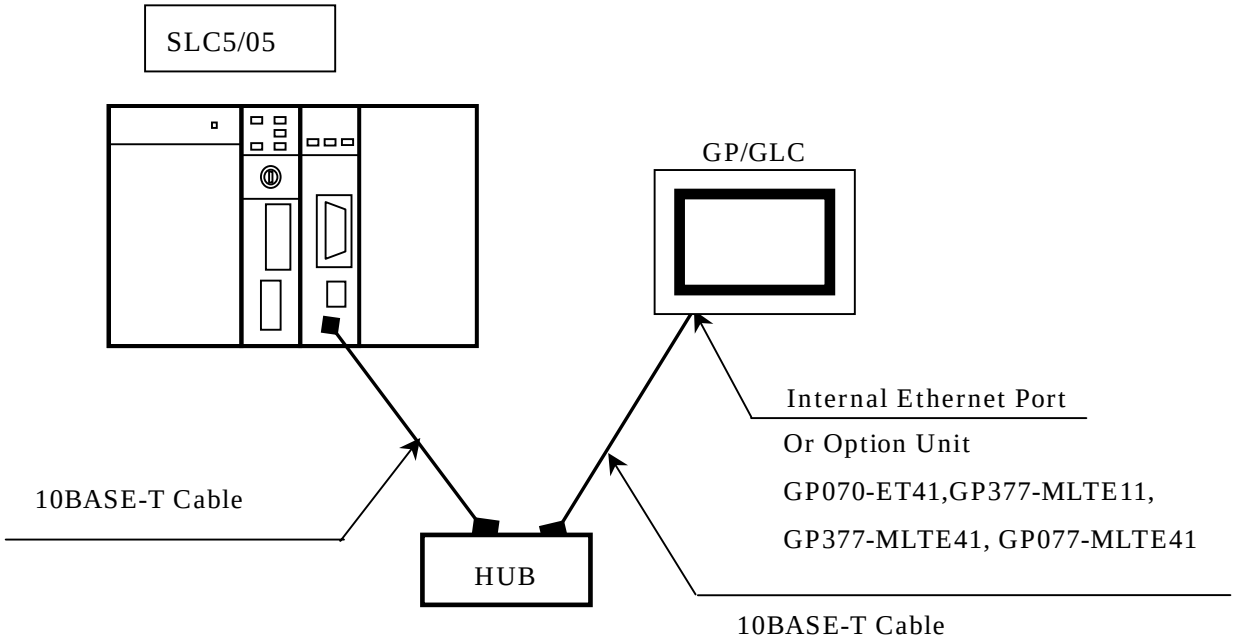
* Information on the case of connection by using Handy Type is not stated.

PLC

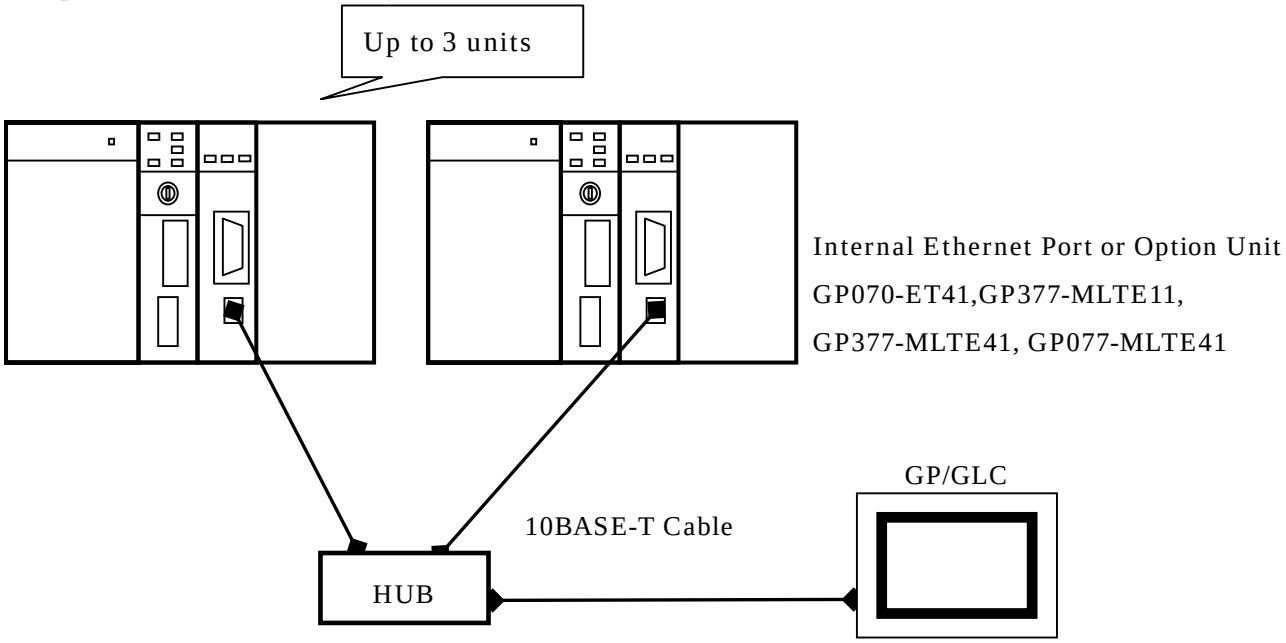
CPU 	Link I/F	Usable Cable	Unit	
SLC05/05	Ethernet I/F on CPU	Ethernet Cable IEEE802.3 compliant	GP070-ET41 GP377-MLTE11 GP377-MLTE41 GP077-MLTE41 Made by Digital	GP

Connection Configuration

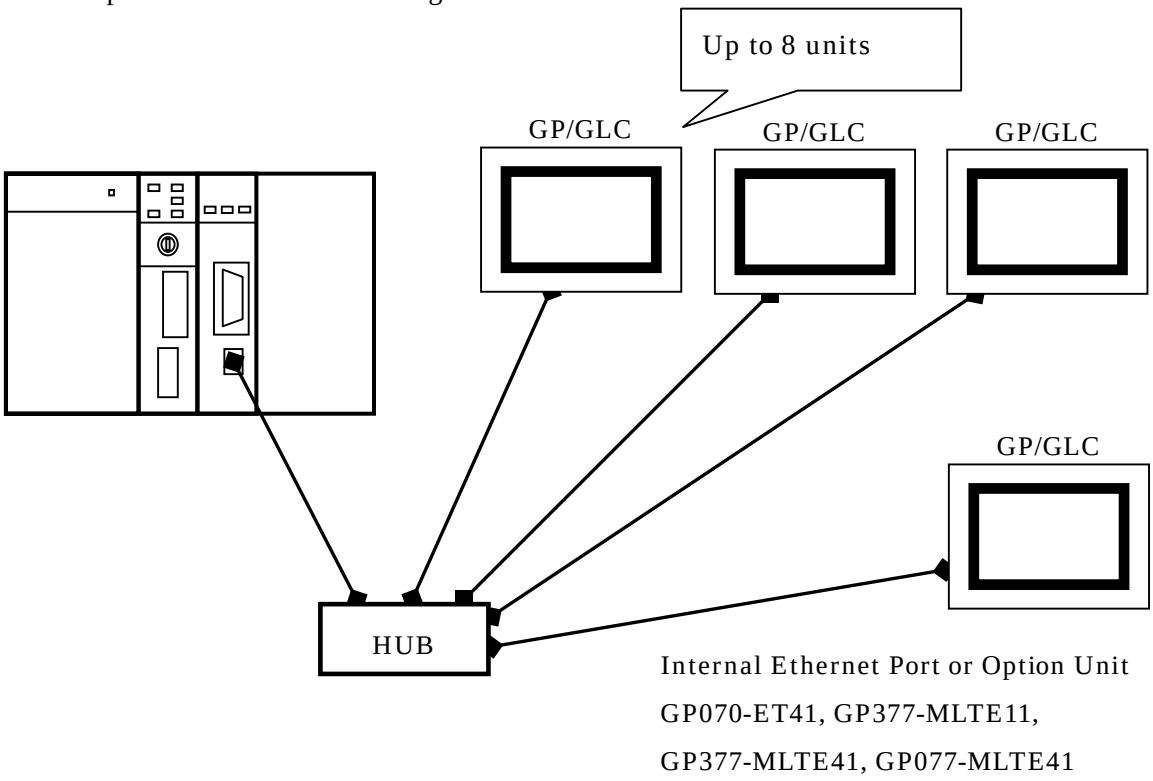
<Example of 1 :1 Connection Configuration>



<Example of 1 :n Connection Configuration>



<Example of n :1 Connection Configuration>



* There are two types of "full duplex " and "half duplex" for Ethernet communication. Since GP and GLC have half duplex communication, if PLC is a full-duplex type, their communication may be obstructed. Putting HUB in can solve the problem. Use of HUB is recommended.