

CU net

A Whole New Way of Networking

PLC sometimes anthropomorphize that it is like a human, because it has the brain (CPU), the senses (Input), and the limb (Output). Imagine that if you could control numerous numbers of PLCs as distributed autonomous system. That will bring the greatest reliability and flexibility into the control-systems.

With CUNet, you are able to accomplish the most complicated control-system that you have always dreamed of.



General Features

- The chipset, "MKY40", has own communication protocol built-in.
- Up to 64 stations, 4096 I/O points per 1 Network.
- Super high-speed data communication.
- The CUnet does not require master/slave arrangement.
- Supporting multi-drop network connection.
- Mail function can be used for the data transmission to communicate more than 4096 I/O points.

#. of Station	#. of I/O	Communication Speed		
		12 Mbps	6 Mbps	3 Mbps
2	128	102us	204us	408us
4	256	155us	310us	620us
8	512	265us	530us	1.060ms
16	1024	501us	1.002ms	2.004ms
32	2048	1.037ms	2.074ms	4.148ms
64	4096	2.365ms	4.730ms	9.460ms
Cable Length (max)		100m	200m	300m

Easy to Apply;

- No programming is necessary for communication module setting. (Only SW settings)
- Each shared data will allocated on link relay (GI/GQ), so you won't be conscious of distinguishing I/O points between stations while programming.
- Mail function is simply controlled by four instructions.

CUnet Modules

- CUnet modules are available for all DL-05, DL-06, and Terminator I/O.

Series	Model Number
DL-05	D0-HSIO
DL-06	D0-HSIO (Applicable 4 modules at a time)
Terminator I/O	T1K-HSIO



D0-HSIO



T1K-HSIO

How do I network more than 4096 I/O point?

- You can set DL-06 with multiple D0-HSIO (CUnet module) and make it as a gateway.

Simple Wiring

- Each CUnet module has a pair of RJ-45 port, you can just daisy chain the devices by 10BASE-T cable.



D0-HSIO (with DL-05)



T1K-HSIO

General Specification (DL-05, DL-06, Terminator I/O)

Power Supply	AC Type: 85~264VAC	DC Type: 10.8~26.4VDC
Operating Temperature	0~55°C	
Storage Temperature	-20~70°C	
Ambient Humidity	5~95% (non-condensing)	
Vibration Resistance	MIL STD 810C, Method 514.2	
Shock Resistance	MIL STD 810C, Method 516.2	
Noise Immunity	NEMA (ICS3-304)	



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