MELSEC-L Series Information Modules

Information Modules
Serial Communication Modules
Serial communication modules can be added on and configured in GX Works2 using pre-defined or user-defined protocols.

Model Number		LJ71C24	LJ71C24-R2
Stocked Item		S	S
Certification		UL • cUL • CE	
Interface	ch1	RS-232-compliance (D-Sub 9P female)	RS-232-compliance (D-Sub 9P female)
	ch2	RS-422/485-compliance (2-piece terminal block)	RS-232-compliance (D-Sub 9P female)
Communication System	Line	Full duplex/half duplex	
	MC Protocol	Half duplex	
	Pre-Defined Protocol		
	Nonprocedural Protocol	Full duplex/half duplex	
	Bidirectional Protocol		
Synchronization Method		Start-stop synchronization method	
Transmission Speed		50bps/300bps/600bps/1200bps/2400bps/4800bps/9600bps/14.4kbps/ 19.2kbps/28.8kbps/38.4kbps/57.6kbps/115.2kbps/230.4kbps; Transmission speed 230.4kbps is only available for channel 1. Total transmission speed of two interfaces is available up to 230.4kbps.Total transmission speed of two interfaces is available up to 115.2kbps when the communication data monitoring function is used.	
Access Cycle	MC Protocol	Processes one request during installed C24 CPU module END processing. (Number of scans that must be processed/number of link scans depends on the contents of the request.)	
	Pre-Defined Protocol	Sends or receives data when requested with the dedicated instruction (CPRTCL).	
	Nonprocedural Protocol	Sends data each time a send request is issued. Can receive at any time.	
	Bidirectional Protocol		
Error Detection	Parity Check	All protocols and when ODD/EVEN is selected by parameter.	
	Sum Check Code	MC protocol/bidirectional protocol selected by parameter. For the pre-defined protocol, whether or not a sum check code is needed depends on the selected protocol. Nonprocedural protocol selected by user frame.	

Transmission Control		RS-232	RS-422/485
	DTR/DSR (ER/DR) Control	Enabled	Disabled
	RS/CS Control	Enabled	Disabled
	CD Signal Control	Enabled	Disabled
	DC1/DC3 (Xon/Xoff) Control DC2/DC4 Control	Enabled	Disabled

• DTR/DSR signal control and DC code control are selected by the user.

Transmission Distance (Overall Distance)	RS-232	Maximum 15m (overall distance)	
	RS-422/485	Maximum 1200m (overall distance)	-
I/O Device Points Occupied		32 points (I/O assignment: 32 points for intelligent function module)	
5VDC Internal Current Consumption (A)		0.39	0.26
Weight (kg)		0.17	0.14
Dimensions (W x D x H) mm		28.5 x 90 x 118	28.5 x 90 x 99

Ethernet Module

Model Number		LJ71E71-100	
		100BASE-TX	10BASE-T
Stocked Item		S	
Certification		UL • cUL • CE	
Transmission Specifications	Data Transmission Speed	100Mbps	10Mbps
	Interface	RJ45 (AUTO MDI/MDI-X)	
	Communication Mode	Full-duplex / Half-duplex	Half-duplex
	Transmission Method	Base band	
	Maximum Segment Length	100m (length between a hub and a node)	
	Maximum Number of Cascade Connections	Cascade connection (maximum of 2 levels)	Cascade connection (maximum of 4 levels
Sending/ Receiving Data Storage Memory	Number of Simultaneous Open Connections	16 connections (Connections usable on a program)	
	Fixed Buffer	1k word x 16	
	Random Access Buffer 6k Words	6k words x 1	
	E-Mail — Attachment	6k words x 1	
	E-Mail — Main Text	960k words x 1	
Number of Occupied I/O Points		32 points (I/O assignment: Intelligent 32 points)	
Internal Current Consumption (5VDC)		0.60A	
Weight (kg)		0.18	
External Dimensions (W x H x D) mm		28.5 x 95 x 90	