

ML50 Compact Logic Controller



AUTOMATION
MADE EASY & COMPACT

Honeywell Solutions for Machine Automation



Honeywell



Ethernet/IP | Network with Ethernet IP & Extensive Client Messaging Support



Features-Ethernet/IP

- Communication : Extensive Client Messaging Support
 - Encapsulated Messages, UCMM Explicit Messaging
 - Class 3 Connected Explicit Messaging(Server only)
 - Class 1 Connected Implicit(IO) Messaging(Cyclic I/O Service Oly)
- Compatibility : Complied with Ethernet/IP conformance Test Suite Ver 2.10
- Not required to add any Switch Hub by internal function, but provided wiring reduction and flexibility of installation
- Diagnostics and status of each module and Network
 - Provided the status of Communication module, Communication service(EIP, non-cyclic server)
 - Automatic scanning to detect all module information for Honeywell or other makers
 - Forecasting network traffic from various packets and data rate to receive into communication module
 - Diagnosis of communication module over network

Item		MLL-EIPT
Transmission Standard	Transmission Speed	10Mbps
	Transmission Method	Base band
	Max. Extension distance between nodes	100meters(328 feets)
	Access Method to service zone	CSMA / CD
	Frame Error Check	$CRC\ 32 = X^{32} + X^{26} + X^{23} + \dots + X^2 + X + 1$
Topology		Linear, Star
The number of connections(Client/Server)	TCP	16 / 32
	CIP(IO communication)	32 / 64
No. of Max. services(P2P)		2
No. of Max. installations		2
Max setting data size per block	Periodic client	500 bytes
	Non-periodic client	512 bytes
Basic standard	Dimension (mm)	H x W x D = 90 x 27 x 60 mm (3.54 x 1.06 x 2.36 inch)
	Current consumption (mA)	290
	Weight(g)	102



Product List

Item	Model	Descriptions
Expansion I/O module	MLE-DC08A	8-point DC24V input
	MLE-DC16A	16-point DC24V input
	MLE-DC32A	32-point DC24V input
	MLE-RY08A	8-point Relay output
	MLE-RY16A	16-point Relay output
	MLE-TN08A	8-point TR(SINK) output
	MLE-TN16A	16-point TR(SINK) output
	MLE-TN32A	32-point TR(SINK) output
	MLE-DR16A	8-point DC24V input, 8-point Relay output
	MLE-TP08A	8-point Transistor (source) output
	MLE-TP16A	16-point Transistor (source) output
	MLE-TP32A	32-point Transistor (source) output
Special module (Analog IO)	MLF-AD04A	4-channel Analog input (Current/Voltage)
	MLF-AD04C	4-channel Analog input (Current/Voltage, resolution : 1/16000)
	MLF-AH04A	2-ch Analog input (Current/Voltage), 2-ch Analog output (Current/Voltage)
	MLF-DV04A	4-channel Analog output (Voltage)
	MLF-DC04A	4-channel Analog output (Current)
	MLF-RD04A	4-channel RTD input
	MLF-TC04S	4-channel Thermo-couple input(Isolation)
	MLF-AD08A	8-channel Analog input (Current/Voltage)
Communication module	MLL-C41A	Snet(RS422/485), 1channel
	MLL-C21A	Snet(RS232C), 1channel
	MLL-EMTA	Fast Ethernet (100Mbps), 1ch
	MLL-EIPT	Ethernet/IP, 2channel
	MLL-CMEA	CANopen(max 1000kbps , Num of PDO : 32)
	MLL-CSEA	CANopen(max 1000kbps , Num of PDO : 64)
	PMC-310S	Configuring Cable serial, PC(9pin)-PLC(6pin)
	USB-301A	Configuring Cable, USB
	TG7-1H40S	Smart Link Terminal Board 40P
Option Boards for "SU", "E"	MLO-AD02A	2-channel Analog input (Current/Voltage)
	MLO-DA02A	2-channel Analog output
	MLO-AH02A	1-ch Analog input(I/V), 1ch Analog output(I/V)
	MLO-TC02A	2-channel Thermo-couple input(non-isolation)
	MLO-RD01A	1-channel RTD input
	MLL-RTCA	RTC, BAT for back-up