


For System

An Excellent Controller for High-Level Applications

- 32-bit dual-core multitasking processor (RTOS)
 - Excellent program execution speed (LD: 0.02 μ s)
 - Max. I/O:
 - DIO: Max. 4,352 points
 - AIO: Max. 544 channels
 - RIO: >100,000 points
 - Program capacity: Max. 1M steps (4MB)
 - Data register (D+L): 512k words
 - CPU built-in with fully isolated RS-232/422/485, Mini-USB, Ethernet and SDHC card slot
 - Abundant selection of extension modules: DIO, AIO, temperature measurement, network, pulse-train, and EtherCAT motion control
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- A black Mitsubishi GX-120 PLC unit is shown. It features a vertical rack of modules. The main unit has a green terminal block on the left, a USB port, and several Ethernet ports. The Mitsubishi logo is visible on the front panel.



Architecture

Master PLC

Redundant PLC

Ext. cable for backplane

Redundant expansion backplane

Redundant expansion backplane

RTU

RTU

1

2

3

3

4

4

EtherNet/IP (DLR)

EtherNet/IP Modbus TCP

Logistics/Warehouse, High-end industrial machines, System applications (Water/Waste water, HVAC, Traffic)