Compact board PLC "TOYOPUC-Plus"

TOYOPUC-Plus achieves equipment compaction with the creation of a control system optimum for responding to utility and equipment scale.

Outline

TOYOPUC-Plus is an all-in-one, compact board PLC with built-in power, CPU, I/O, and communication functions for the basic module (Plus CPU).

This device expands input and output, memory, and all types of communications, depending on utility and equipment scale.

Aim

(1) Compaction......Can be installed anywhere, easy function dispersion
(2) Available networks......Retains compatibility with existing networks
(3) Equipment creation using add-ons
 ......Can add functions in board units depending on equipment scale

Features

(1) Compact......77% reduction in board area compared to a structure equivalent to that of the conventional PC10G

Additionable function by mounting each bookshelf-type module to the base unit.

Additionable function by stacking an I/O board and communication board on Plus CPU in board units.

Example application: Plus built-in operation panel — minimized control cabinet
NEW PRODUCTS

(2) Available networks……Can select the network from among DeviceNet*1, CC-Link*2, Ethernet/IP*2, Ethernet*3, FL-net, and FL-Remote

Example of network configuration

- Direct-Monitor
- Ethernet
- CC-Link
- Barcode reader
- Sensor
- Remote I/O
- Inverter
- FL-net
- DeviceNet
- FL-Remote
- DRMT
- FRMT

Example of control configuration  Assembly equipment

- Addition of workpiece transfer device
- Addition of parts supply device
- Addition of automatic assembly device
- Addition of transfer communication and upper position communication
- Fully automatic
- Plus CPU
- Plus DLNK-M
- Plus IQ24/16P
- Plus EX

(3) Equipment creation using add-ons……Easy correspondence to workpiece changes and production volume fluctuation

Example of equipment creation

- Addition of robot I/O and communication
- Addition of automatic assembly device
- Addition of transfer communication and upper position communication
- Fully automatic

(2) Available networks……Can select the network from among DeviceNet*1, CC-Link*2, Ethernet/IP*2, Ethernet*3, FL-net, and FL-Remote

*1 DeviceNet and Ethernet/IP are registered trademarks of ODVA, Inc.
*2 CC-Link is a registered trademark of the CC-Link Partner Association.
*3 Ethernet is a registered trademark of Fuji Xerox Co., Ltd.

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