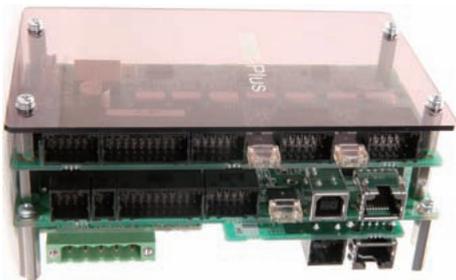


# Compact board PLC "TOYOPUC-Plus"



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

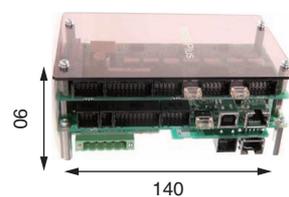
- (1) Compaction.....Can be installed anywhere, easy function dispersion
- (2) Available networks.....Retains compatibility with existing networks
- (3) Equipment creation using add-ons .....Can add functions in board units depending on equipment scale

## Features

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



TOYOPUC-PC10G (Conventional)

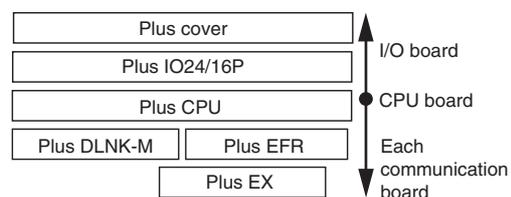


(Unit: mm)

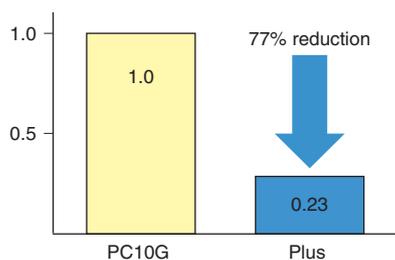
TOYOPUC-Plus (Developed)

8 SLOT BASE	POWER2H	PC10G-CPU	2PORT-EFR	SIO	DLNK-M2	IN-12	IN-12	IN-12	OUT-19	OUT-19
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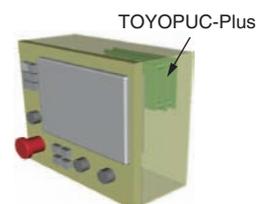
Additional function by mounting each bookshelf-type module to the base unit.



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



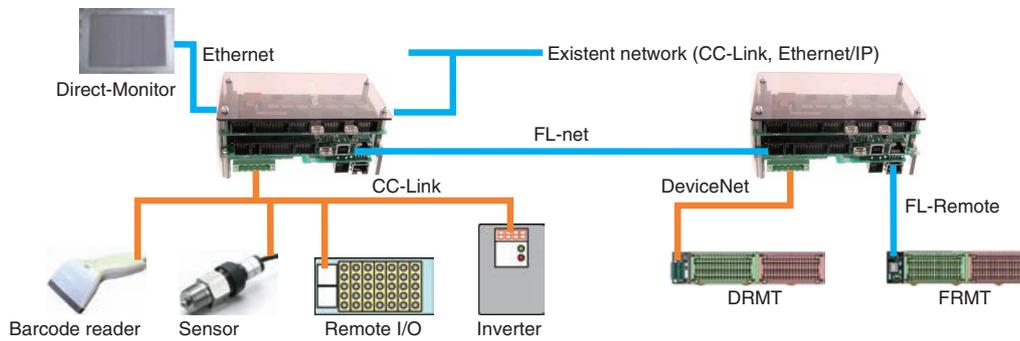
Comparison of board area



Example application: Plus built-in operation panel → minimized control cabinet

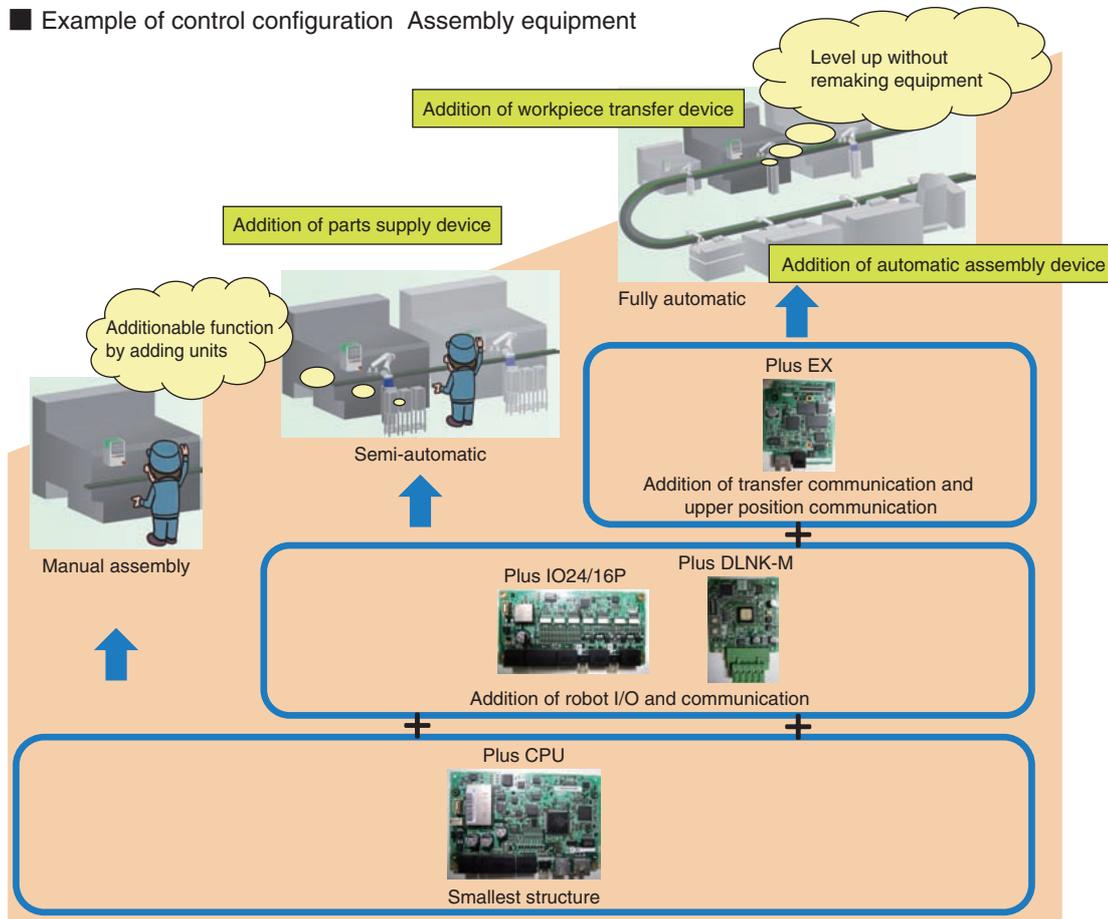
(2) Available networks.....Can select the network from among DeviceNet<sup>\*1</sup>, CC-Link<sup>\*2</sup>, Ethernet/IP<sup>\*1</sup>, Ethernet<sup>\*3</sup>, FL-net, and FL-Remote

■ Example of network configuration



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

■ Example of control configuration Assembly equipment



\*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.

(Mechatronics Control Engineering Dept., Machine Tools & Mechatronics Operations Headquarters)

JTEKT CORPORATION