Factory Automation

Controllers MELSEC-L Series

Product features -CPU-

> Lineup   ❯ L Series Built-in I/O Features   ❯ Convenient communication and storage options come as standard

❯ Gain more flexibility with an integrated system bus structure   ❯ Historical trend and live feeds of production

❯ Feature rich and easy to use display   ❯ An easy-to-use modular design

L Series Built-in I/O Features

MELSEC L series

Every L Series CPU comes with 24 points of built-in I/O standard. These I/O points are capable of many functions usually reserved for separate modules. Save on system costs by using the built-in functions rather than relying exclusively on additional modules.

Contents   ⌄ CPU Modules   ⌄ Branch/Extension Modules   ⌄ Power Supply Modules   ⌄ RS-232 Adapter   ⌄ RS-422/485 Adapter   ⌄ END Cover with Error Terminal   ⌄ Display Unit

CPU Modules

Communication interface: RS-232

> L02SCPU

General-purpose output: Sink type
Program capacity: 20K steps
Basic operation processing speed: 60 ns

> L02SCPU-P

General-purpose output: Source type
Program capacity: 20K steps
Basic operation processing speed: 60 ns
*End cover is enclosed.
  Cannot be mounted on display unit (L6DSPU), RS-232 adapter, RS-422/485 adapter.
Communication interface: Ethernet

> L02CPU

General-purpose output: Sink type
Program capacity: 20K steps
Basic operation processing speed: 40 ns

> L02CPU-P

General-purpose output: Source type
Program capacity: 20K steps
Basic operation processing speed: 40 ns
*END cover is included.

➤ L06CPU

General-purpose output: Sink type
Program capacity: 60K steps
Basic operation processing speed: 9.5 ns

➤ L06CPU-P

General-purpose output: Source type
Program capacity: 60K steps
Basic operation processing speed: 9.5 ns
*END cover is included.

➤ L26CPU

General-purpose output: Sink type
Program capacity: 260K steps
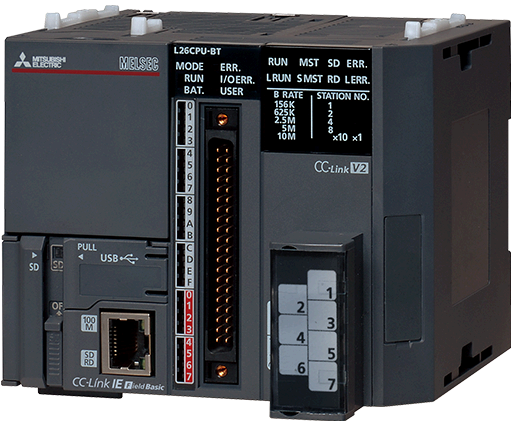Basic operation processing speed: 9.5 ns

➤ L26CPU-P

General-purpose output: Source type
Program capacity: 260K steps
Basic operation processing speed: 9.5 ns
*END cover is included.
Communication interface: Ethernet port and a built-in CC-Link interface

➤ L26CPU-BT

General-purpose output: Sink type
Program capacity: 260K steps
Basic operation processing speed: 9.5 ns

➤ L26CPU-PBT

General-purpose output: Source type
Program capacity: 260K steps
Basic operation processing speed: 9.5 ns
*END cover is included.

Model	General-purpose output	Number of I/O points	Program capacity	Basic operation processing speed (LD instruction)	Peripheral connection ports	Built-in network
L02SCPU	Sink type	1024 points	20K steps	60 ns	USB/RS-232	–
L02CPU				40 ns	USB/Ethernet	–
L06CPU		4096 points	60K steps	9.5 ns		–
L26CPU			260K steps			–
L26CPU-BT						CC-Link
L02SCPU-P	Source type	1024 points	20K steps	60 ns	USB/RS-232	–
L02CPU-P				40 ns	USB/Ethernet	–
L06CPU-P		4096 points	60K steps	9.5 ns		–
L26CPU-P			260K steps			–
L26CPU-PBT						CC-Link

CPU packages

➤ **L02CPU-SET**

Includes CPU (L02CPU), power supply module (L61P), and display unit (L6DSPU).

➤ **L02CPU-P-SET**

Includes CPU (L02CPU-P), power supply module (L61P), and display unit (L6DSPU).

➤ **L06CPU-SET**

Includes CPU (L06CPU), power supply module (L61P), and display unit (L6DSPU).

➤ **L06CPU-P-SET**

Includes CPU (L06CPU-P), power supply module (L61P), and display unit (L6DSPU).

> **L26CPU-SET**
> Includes CPU (L26CPU), power supply module (L61P), and display unit (L6DSPU).

> **L26CPU-P-SET**
> Includes CPU (L26CPU-P), power supply module (L61P), and display unit (L6DSPU).

> **L26CPU-BT-SET**
> Includes CPU (L26CPU-BT), power supply module (L61P), and display unit (L6DSPU).

> **L26CPU-PBT-SET**
> Includes CPU (L26CPU-PBT), power supply module (L61P), and display unit (L6DSPU).

Branch/Extension Modules

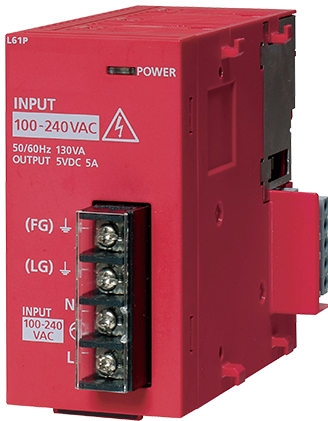For extension system

> L6EXB

branch

> L6EXE

extension

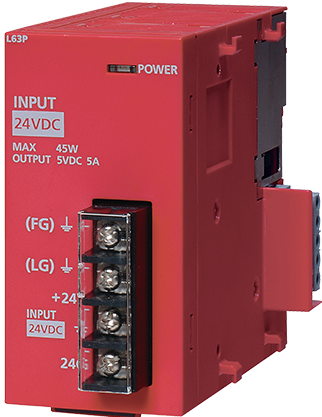## Power Supply Modules

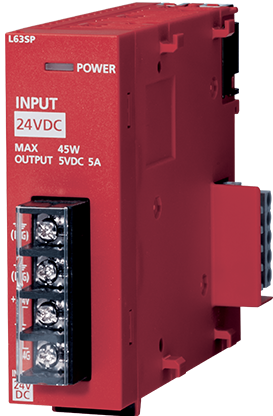AC input

> L61P

Input: 100 to 240 V AC
Output: 5 V DC, 5 A
DC input

> L63P

Input: 24 V DC
Output: 5 V DC, 5 A

❯ **L63SP**

Input: 24 V DC
Output: 5 V DC, 5 A
Slim type
No isolation

RS-232 Adapter

RS-232 adapter

❯ **L6ADP-R2**

Transmission speed: 115.2 kbps
GOT(HMI) connection
MELSOFT[1] connection
Predefined protocol support function
Serial communication function
MODBUS®

*1. Please refer to each MELSOFT product manual for details on the supported software.

RS-422/485 Adapter

RS-422/485 adapter

> L6ADP-R4

Transmission speed: 115.2 kbps
GOT(HMI) connection
Predefined protocol support function
Serial Communication function
MODBUS®

END Cover with Error Terminal

END cover with error terminal

> L6EC-ET

Error output relay

Display Unit

Display unit

L6DSPU