2024

Panasonic
CONNECT

Electronics Assembly System
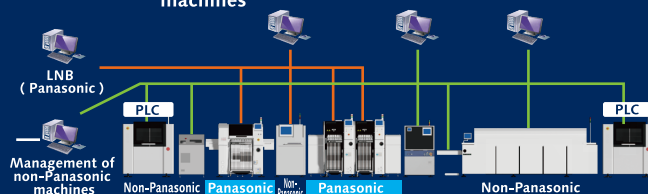Integrated Line Management System
Catalogue

Model ID
iLNB
Model No.
NM-EJS5B

Collective control of your entire production line including non-Panasonic machines improves productivity, ensures quality control and supports your actual production process.

Panasonic will serve as one-stop channel to collectively interface between Panasonic / non-Panasonic machines.

Before
· Collection , analysis and display of data from Panasonic placement machines
· Additional PC required to connect non-Panasonic machines

LNB (Panasonic)

Management of non-Panasonic machines

PLC

PLC

Non-Panasonic Panasonic Non-Panasonic Panasonic Non-Panasonic

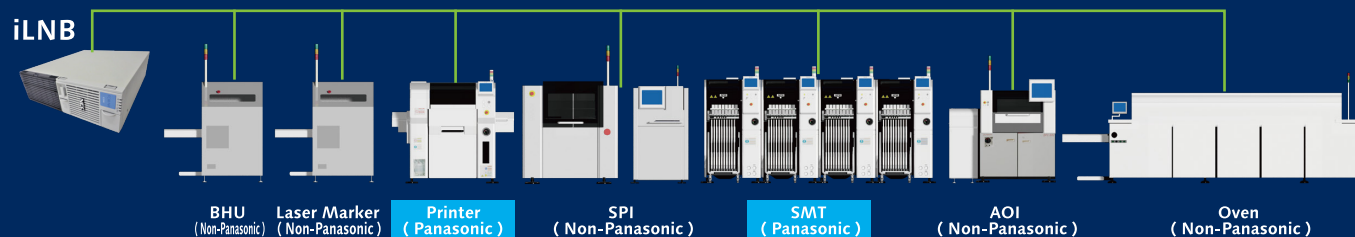| Item	Panasonic	Non-Panasonic
Information collection / display	○	× (Partially allowed)
Automatic changeover	○	× (Partially allowed)

After
· Control of entire production line including non-Panasonic machines
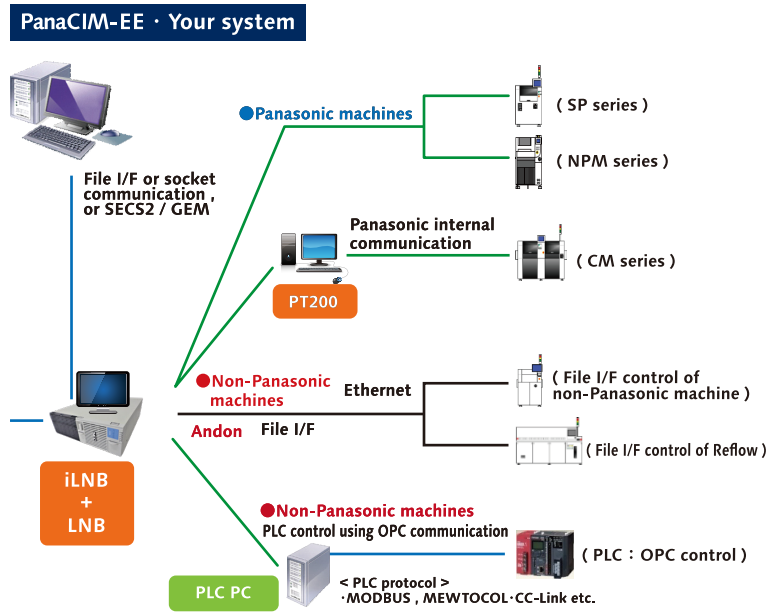· Control of Panasonic / non-Panasonic machines with a single PC only

iLNB

PLC

PLC

Non-Panasonic Panasonic Non-Panasonic Panasonic Non-Panasonic

Item	Panasonic	Non-Panasonic
Information collection / display	○	○
Automatic changeover	○	○

Total control of production line through the system that "interfaces" between Panasonic / non-Panasonic machines

iLNB

BHU
(Non-Panasonic)

Laser Marker
(Non-Panasonic)

Printer
(Panasonic)

SPI
(Non-Panasonic)

SMT
(Panasonic)

AOI
(Non-Panasonic)

Oven
(Non-Panasonic)

System configuration (Case)

PanaCIM-EE・Your system

●Panasonic machines
(SP series)
(NPM series)

File I/F or socket communication , or SECS2 / GEM

Panasonic internal communication
PT200
(CM series)

●Non-Panasonic machines
Ethernet
File I/F
(File I/F control of non-Panasonic machine)
(File I/F control of Reflow)

iLNB + LNB

Andon

●Non-Panasonic machines
PLC control using OPC communication
PLC PC
< PLC protocol >
・MODBUS , MEWTOCOL・CC-Link etc.
(PLC：OPC control)

Function list

Item	Description
①Automatic changeover	①Registering recipes for automatic changeover
	②Changing the production of the line automatically
	③Monitoring the states of automatic changeover
	④Monitoring the line operation
②E-Link (Information input)	①Importing and modifying production plans
	②Notifying change/update of production plans. Outputting production records.
③E-Link (Information output)	①Outputting the operating information
	②Outputting the trace information
	③Outputting machine condition
④E-Link (Machine control)	①Machine interlock, PCB transfer control of transfer equipment (conveyors)
	②Machine screen lock using biometric authentication
⑤E-Link (Feeder writing)	①Writing component information to feeders using third-party
⑥Communication	①SECS2 / GEM communication

*The iLNB comprises software and a computer (iLNB PC) .
 PLC PC, communication conversion PLC , and other devices should be prepared by customers.

Applicable machines

1. Panasonic machines

Machine type	Model
Printer	NPM-GP/L, SP60, SP70, SP80, SP18, SPG, SPG2, SPD, SPV, SPV-DC
NPM-G series	NPM-GH
NPM-X series	NPM-DX, NPM-WX, NPM-WXS
NPM / AM series	NPM, NPM-D, NPM-D2, NPM-D3, NPM-D3A, NPM-W, NPM-W2, NPM-W2S, NPM-TT, NPM-TT2, NPM-VF, AM100, VM101, VM102
CM / DT series	CM602-L, CM232-M, CM212-M, CM101-D, CM402-L, CM402-M, CM401-L, CM401-M, DT401-F, DT401-M
Laser Marking Machine	LPS-C

2. Your system , Non-Panasonic machines

Machine type
Your system
Non-Panasonic printer
Non-Panasonic SPI
Non-Panasonic placement machine
Non-Panasonic AOI (Post-placement and reflow)
Non-Panasonic reflow
Non-Panasonic ICT
Non-Panasonic dispensing machine
Non-Panasonic printing machine
Non-Panasonic transfer device (Loader, Unloader, Traverser, etc.)

*Please contact us for details.

⚠ Safety Cautions

●Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.
●To ensure safety when using this equipment, all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.

Panasonic Group products are built with the environment in mind.

For details here

Panasonic GREEN IMP**ACT**

Inquiries…

Panasonic Connect Co., Ltd.
Process Automation Business Division

Shiodome Hamarikyu Bldg., 8-21-1 Ginza, Chuo-ku, Tokyo 104-0061, Japan

All data as of April 1, 2024

Ver.April 1, 2024

© Panasonic Connect Co., Ltd. 2024

●Changes in specifications and appearance may be made without notice for product improvement.
●Please contact us via our website at **https://industrial.panasonic.com/ww/r/fw**