



New platform to realize “Autonomous Factory”

## NPM-GH

Automation / Labor-saving Solution + Intelligent system solution to achieve manufacturing that is further in line with production plan

### Key Features

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Industry's top-class edge device

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Latest evolution of NPM G Series

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Remote operation option

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Automatic recovery option

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Autonomous control of variations in 5Ms

## NPM-GH

<https://ap.connect.panasonic.com/sg/en/products/smart-factory/npm-gh>

<b>PCB dimensions (mm)</b>	Single-lane mode: L 50 mm × W50 mm ~ L 510 mm × W590 mm
	Dual -lane mode: L 50 mm × W50 mm ~ L 510 mm × W 300 mm
<b>PCB exchange</b>	2.3 s ( L 350 mm or less)
	5.0 s ( L 350 mm or over to L 510 mm or less)
<b>Electric Source</b>	3-phase AC 200 , 220 , 380 , 400 , 420 , 480 V 2.1 kVA
<b>Pneumatic Source</b>	Min.0.5 MPa ~ Max. 0.8 MPa, 200 L / min (A.N.R. )
<b>Dimensions (mm)</b>	W 975 mm × D 2 473 mm × H 1 444 mm
<b>Mass</b>	2 330 kg
<b>Placement Head</b>	FC16 head
	FC08 head
	FC03 head
<b>Placement Head max Speed</b>	FC16 head: 51 500 cph (0.069 s / chip) high prod. / 37 500 cph ( 0.096 s / chip ) high acc.
	FC08 head: 25 500 cph ( 0.141 s / chip ) high prod. / 20 500 cph ( 0.176 s / chip): high acc.
	FC03 head: 10 100 cph ( 0.356 s / chip) high prod / 9 000 cph ( 0.4 s / chip ) high acc.
<b>Placement Accuracy</b>	FC16 head: ±25 µm /chip high prod / ±15 µm /chip high acc.
	FC08 head: ±25 µm / chip high prod / ±15 µm /chip high acc
	FC03 head: ±25 µm / chip high prod / ±15 µm / chip high acc
<b>Component dimensions</b>	FC16 head: 0201 chip / 03015 chip ~ L 10 × W 10 × T 3
	FC08 head: 0402 chip ~ L 45 × W 45 or L 100 × W 40 × T 12
	FC03 head: 0603 chip ~ L 120 × W 90 or L 150 × W 25 × T 30
<b>Taping</b>	FC16 head: Tape : 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 mm
	FC08 head: Tape : 4 ~ 56 / 72 mm
	FC03 head: Tape : 4 ~ 56 / 72 / 88 / 104 mm
<b>Stick</b>	FC08 head & FC03 head: ITF cart(17-slot) specifications : Max.48
<b>Tray</b>	FC08 head & FC03 head: Max.24