



# NPM-GW

## Key Features

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New operation Panel

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New Placement heads

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New feeders platform ASF

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Higher accuracy & High Productivity

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Larger PCB Size

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Autonomous factory ready

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APC 5M Process Control ready



## NPM-GW

<https://eu.connect.panasonic.com/tr/en/smart-factory/npm-gw>

<b>PCB dimensions (mm)</b>	Single conveyor
	Batch mounting : L 50 mm × W 50 mm to L 760 mm × W 687 mm
	2 position mounting : L 50 mm × W 50 mm to L 360 mm × W 687 mm
	Dual conveyor
	PC size PCB width 300 mm
	Dual transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 300 mm
	Dual transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 300 mm
	Single transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 590 mm
	Single transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 590 mm
	Dual conveyor
M size PCB width 260 mm	
Dual transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 260 mm	
Dual transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 260 mm	
Single transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 510 mm	
Single transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 510 mm	
<b>Electric Source</b>	3-phase AC 200、220、380、400、420、480 V 2.5 kVA
<b>Pneumatic Source</b>	Min.0.5 MPa、200 L / min (A.N.R.)
<b>Dimension</b>	W 1 410 mm × D 2 320 mm × H 1 444 mm
	Machine dimensions and mass for standard configuration (NPM-GW and ASF cart (60-slot) × 2 or cart (34-slot) × 4).
	W 1 410 mm × D 2 468 mm × H 1 444 mm Dimensions and mass of the machine and two ITF carts (30-slot).
<b>Mass</b>	They differ depending on the optional configuration. 2 810 kg
	Machine dimensions and mass for standard configuration (NPM-GW and ASF cart (60-slot) × 2 or cart (34-slot) × 4).
	2 840 kg Dimensions and mass of the machine and two ITF carts (30-slot).
<b>Placement Head</b>	They differ depending on the optional configuration. FC16 head
	FC08 head
	FC03 head
<b>Stick</b>	FC08 head & FC03 head: Max.16 (Stick Feeder 3-slot)
<b>Tray</b>	FC08 head & FC03 head: Max.48
<b>Placement Head max Speed</b>	FC16 head (Per head) : 52 000 cph (0.070 s / chip)
	FC08 head (Per head) : 26 500 cph (0.136 s / chip)
	FC03 head (Per head) : 10 000 cph (0.360 s / chip)
<b>Placement Head Placement Accuracy (Cpk<sub>≥</sub>1)</b>	FC16 head (Per head) : ±25 μm / chip
	FC08 head (Per head) : ±25 μm / chip ±25 μm / QFP
	FC03 head (Per head) : ±25 μm / chip ±20 μm / QFP (The placement angle recognition setting needs to be enabled.)

<b>Placement Head Component Dimensions (mm)</b>	<p>FC16 head ( Per head ): 0201 chip / 03015 chip to L 10 × W 10 × T 6</p> <p>FC08 head ( Per head ): 0402 chip to L 45 × W 45 or L 100 × W 40 × T 12</p> <p>FC03 head ( Per head ): 0603 chip to L 120 × W 90 or L 150 × W 25 × T 40 or L 135 × W 135 × T 18</p> <p>0201 / 03015 / 0402 component requires a specific nozzle / tape feeder.</p> <p>0201 component placement is optional.( Under conditions specified by Panasonic )</p> <p>T 6 needs dedicated short nozzles and is □6.5 mm or less.</p> <p>□135 mm is option.</p>
<b>Component Supply Taping</b>	<p>FC16 head ( Per head ): 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 mm</p> <p>FC08 head ( Per head ): 4 to 56 / 72 mm</p> <p>FC03 head ( Per head ): 4 to 56 / 72 / 88 / 104 mm</p> <p>Max.136 (4, 8 mm tape )</p>