

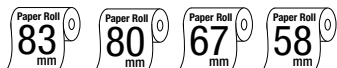
# Line Thermal Kiosk Unit

## PPU-700 / PHU-331

# CITIZEN

Micro HumanTech

Leading Technology for Humanity



- 150 mm/sec high-speed printing
- 83 / 80 / 67 / 58mm selectable paper width
- Easy paper handling
- Optional interface cards
- Presenter unit incorporated
- Label/Black mark function(option)
- Bitmap data registration (NV memory)
- Barcode printing
- Page mode
- Two color printing
- Smoothing font
- Easy customization by software
- Large roll paper diameter up to 203mm (PHU-331/332)



Complete unit  
PPU-700/PHU-331  
\*The bottom plate is not included.

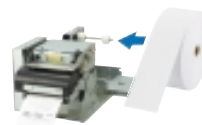
### Specifications

|                          |  |
|--------------------------|--|
| Printing method          | Line thermal dot printing  |
| Printing width           | 80mm/640 dots (paper width 83mm) 72mm/576 dots (paper width 80mm)<br>60mm/480 dots (paper width 67mm) 54mm/432 dots (paper width 58mm)   |
| Dot pitch                | 8 × 8 dots/mm (203 dpi × 203 dpi)  |
| Printing speed           | Max. 150mm/sec (35.4 lines/sec)  |
| Number of columns        | 80mm paper: Font A - 48 columns Font B - 64 columns Font C - 72 columns  |
| Character size (W × H)   | 1.25mm × 3.00mm (Font A: 12 × 24 dots) 0.88mm × 2.13mm (Font B: 9 × 17 dots)<br>0.88mm × 2.00mm (Font C: 8 × 16 dots)  |
| Character table          | Code page 437, 850, 852, 857, 858, 860, 863, 864, 865, 866, Katakana, WPC1252, Thai code 18  |
| Barcode type             | UPC-A/E, JAN-13/8, ITF, Code 39, Code 128, CODABAR, Code 93  |
| Logo registration/print  | Capable of registering user-defined characters print and logos into flash memory.  |
| Line spacing             | 4.23mm (1/6 inch); can be set by a command.  |
| Paper                    | Thermal paper roll: Paper width 58/67/80/83mm Paper roll diameter 203mm or less<br>Paper thickness 0.065 - 0.150mm<br>Core diameter: 12mm (paper thickness: 0.065 - 0.080mm) 25.4mm (paper thickness: 0.080 - 0.150mm)<br>Recommended paper: TF-50KS-E-2D, TF-62KS-E (Nippon Paper industries) |
| Interface                | Parallel: IEEE 1284 compliant, Serial (RS-232C), or USB  |
| Input buffer             | 4K bytes (72 bytes selectable with a DIP switch)   |
| NV user memory           | 256K bytes   |
| Sensors                  | Paper near end sensor (adjustable, for PHU series) (photo interrupter)<br>Paper end sensor (mechanical switch) Black mark sensor (photo interrupter)<br>Cover open sensor (mechanical switch) Presenter sensor (photo interrupter)   |
| Power supply             | 24V ± 7%   |
| Power consumption        | 100W   |
| Weight                   | PPU700: 2.1 kg (incl. control PCB) PHU-331: 0.95 kg (excl. roll paper)   |
| Dimensions (W × D × H)   | PPU-700: 163.2 (incl. control PCB) × 176 × 143mm PHU-331: 114.4-138.9 × 122.6 × 137.2mm  |
| Operating environment    | 5 ~ 40°C, 35 ~ 85% RH  |
| Storage environment      | -20 ~ 60°C, 10 ~ 90% RH  |
| Reliability              | Thermal head: 100,000,000 pulses or 100km Auto cutter: 1,000,000 cuts  |
| EMC and safety standards | UL, C-UL, FCC Class A, TUV-GS, CE marking  |

### Easy roll paper installation

PPU-700/PHU-331S

PPU-700/PHU-331T



### Accessories

#### Interface cards



Parallel



Serial



USB

#### Customization software for easy customization



### Type Classification

## PPU-700 P U M1

1) 2) 3) 4)

- |                          |  |                                  |  |
|--------------------------|--|----------------------------------|--|
| 1) Model type<br>PPU-700 | 2) Interface<br>P: Parallel<br>R: Serial RS-232C<br>U: USB | 3) Character set<br>U: US/Europe | 4) Blackmark sensor (Option)<br>None: No sensor<br>M1: Left side of back<br>M2: Right side of back (Open lever side)<br>M3: Left side of front |
|--------------------------|--|----------------------------------|--|

## PHU-331 S

1) 2) 3) 4)

- |                          |   |  |  |
|--------------------------|---|--|--|
| 1) Model type<br>PHU-331 | 2) Length of roll paper shaft<br>3: 58-82.5mm (Standard)<br>2: 58mm fixed | 3) Number of PNE sensor<br>1: 1 sensor (Standard)<br>2: 2 sensor | 4) Roll paper installation<br>S: From side (Standard)<br>T: From top |
|--------------------------|---|--|--|

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