

PPU-700

Thermal Printer Mechanism



Modular Kiosk Printer with Selectable Paper Widths



The Citizen PPU-700 thermal printer mechanism is the most modular, flexible kiosk mechanism for paper width, interfaces, firmware settings and mechanical orientation. Small, lightweight and fast, it includes a retractable presenter to prevent litter and minimize opportunities for vandalism. The PPU-700 uses large paper rolls and auto-paper loading to make changing rolls faster and easier. Along with the ability to print barcodes, the PPU-700 also features flash memory. This enables you to store and print logos and user-defined characters to increase the visual impact of receipts.

The Citizen PPU-700 mechanism works in a wide variety of kiosk applications to provide fast, reliable printing with the easiest maintenance possible.

CITIZEN.

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PPU-700 Thermal Printer Mechanism



Reliable Kiosk Printing

- 83/80/67/58 mm selectable paper widths
- 150mm/sec High-speed thermal printing
- Two-color printing
- Interchangeable interface cards
- Presenter
- Upgradable firmware (EEPROM)
- Drop-in paper loading
- Alert Buzzer
- Retractor feature
- Built-in input buffer
- Barcode printing
- Flash Memory
- Large diameter paper rolls can be used
- Black Mark Sensor (option)
- Customization Utility
- Windows Drivers

Specifications

Printing Method	Thermal dot line printing, two color, drop-in loading type	
Print Width	80mm/640 dots (paper width 83mm); 72mm/576 dots (paper width 80mm) 60mm/480 dots (paper width 67mm); 54mm/432 dots (paper width 58mm)	
Dot Density	8 dots/mm	
Print Speed	150mm/sec (1200 dot lines/sec)	
Number of Columns	Font A: 53 columns; Font B: 71 columns; Font C: 80 columns	
Character Size	Font A: (12 x 24 dots): 1.25 x 3.00mm; Font B: (9 x 17 dots): 0.88 x 2.13mm Font C: (8 x 16 dots): 1.00 x 2.00mm	
Logo registration/print	Capable of registering user-defined characters and logos into flash memory	
Barcode Types	UPCA/E, JAN (EAN) 13/8 columns, ITF, Codabar, Code 39, Code 93 and Code 128	
Line Spacing	4.23mm (1/6 inch), can be set by command (min.: 1/203 inch)	
Paper Roll	Thermal paper roll: Paper widths 83/80/67/58mm External diameter: ø203mm (when using PPU); Paper thickness: 65 to 150µm Core diameter: 25.4mm (Paper thickness: 80 to 150µm) Choice of direct paper eject Presenter and Retractor	
Interface	Centronics Parallel (IEEE 1284 compliant, Bi-directional communication), RS-232C Serial and USB	
Input Buffer	4K bytes (72 bytes dip switch selectable)	
Sensors	Paper near end sensor (adjustable for PHU series) (photo interruptor); Paper end sensor (mechanical switch) Black mark sensor (optional) Cover open sensor (mechanical switch); Paper out sensor (photo interruptor)	
Supply Voltage	DC 24V±7%	
Power Consumption	Approx. 100W max.	
AC Adapter Specifications	Rated input: AC 120 to 240V, 50/60 Hz, 120VA Rated output: DC 24V, 1.9A (Peak 3.5A)	
Weight	PPU: 1.6 kg (including control board); PHU: 0.9 kg (excluding paper roll)	
Outside Dimensions	145 (w) x 160 (d) x 172mm (h)	
Environment	Operation	Temperature 5-40°C Humidity 35-85%RH
	Storage	Temperature -20-60°C Humidity 10-90%RH
Reliability	Print Head Life	100 Km, 100 million pulses
	Auto Cutter Life	1 million + cuts
Safety Standards	UL, C-UL, FCC Class A	

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