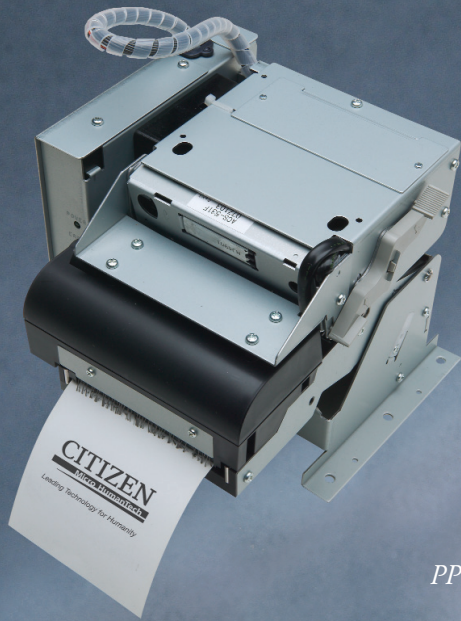# PPU-700II Thermal Printer Mechanism

The Citizen PPU-700II 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-700II uses large paper rolls and auto-paper loading to make changing rolls faster and easier. Along with the ability to print barcodes, the PPU-700II also features flash memory. This enables you to store and print logos and user-defined characters to increase the visual impact of receipts.
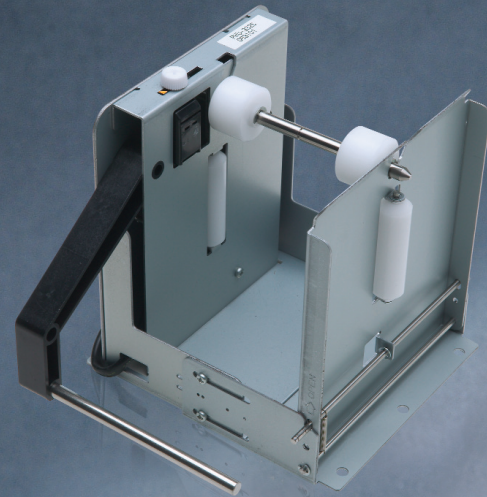
The Citizen PPU-700II mechanism works in a wide variety of kiosk applications to provide fast, reliable printing with the easiest maintenance possible.

CITIZEN
Micro HumanTech

Leading Technology for Humanity

PPU-700II

PHU-3320

PPU-700II Thermal Printer Mechanism

Features

- 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
- **Industry's Best - Three-Year Warranty**

Applications

- Hospitality
- Retail
- Ticketing
- Kitchen Receipt
- Coupons

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: Max 53 columns 12 x 24 Font B: Max 71 columns 9 x17 Font C: Max 80 columns 8 x16
Character Size	Font A: 1.25 x 3.00mm; Font B: 1.13 x 2.13mm; Font C: 1.00 x 2.00mm
Logo registration/print	Capable of registering user-defined characters and logos into flash memory
Barcode Types	UPC-A/E, JAN/EAN-8, JAN-EAN-13, ITF, Code 39, Code 93, Code 128, and CODABAR
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 150ìm Core diameter: 25.4mm (Paper thickness: 80 to 150ìm) 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 5-40ºC Humidity 35-85%RH Storage Temperature –20-60ºC 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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