UHF RFID PRINTER · DESKTOP

POM 10

UHF RFID Desktop Printer · 203 dpi Thermal



The **POM 10** is a desktop **direct thermal and thermal transfer printer** with an **integrated UHF RFID reader/encoder** (EPC Class 1 Gen2 / ISO 18000-6C). It prints at **203 dpi and up to 8 ips** across a **108 mm** print width and writes the chip in the same pass, with no effect on print quality.

USB and RS-232 come standard, with optional RJ45 Ethernet, Bluetooth 4.0 and Wi-Fi. Labelling software with database support and a full SDK for Windows, Linux, Android and iOS fit it into your manufacturing, logistics, retail and asset-management workflows.

203 dpi	8 ips	108 mm	1.5 mm
RESOLUTION	PRINT SPEED	PRINT WIDTH	MAX MEDIA

KEY FEATURES

Print & encode in one pass

Print the label face and write the chip at the same time, or run print-only or read/write-only jobs.

One-click RFID calibration

Visual signal calibration sets up new labels in one click; an intelligent algorithm detects bad tags and marks them automatically.

Flexible connectivity

USB and RS-232 as standard; RJ45 Ethernet, Bluetooth 4.0 and Wi-Fi optional, with real-time printer status feedback.

Software & SDK included

Label software with date/time, serial numbers and Excel/TXT/SQL data; SDK with commands, dynamic library and web print service.

MEDIA: RFID stickers · Anti-metal tags · Clothing tags · Woven labels · Paper cards · Wristbands

TECHNICAL SPECIFICATIONS

Full Datasheet

RFID ENCODING

Reader/encoder	Integrated UHF RFID
Protocol	EPC Class 1 Gen2 / ISO 18000-6C
Data read	TID, EPC, TID + EPC
Operating modes	Print + encode · print · encode
Memory locking	Area lock/unlock; DB passwords
Anti-metal tags	Flexible, 0.8–1.5 mm

PRINTING

Print method	Direct thermal and thermal transfer
Resolution	203 dpi
Max speed	8 ips (203.2 mm/s)
Max print width	108 mm (4.25″)
Max print length	4,000 mm (157.5″)
Memory	8 MB Flash ROM, 16 MB SDRAM
1D barcodes	Code 39, Code 93, Code 128, Codabar, EAN-8/13/128, Interleaved 2 of 5, UCC-128, UPC-A/E 2 and 5 add-on
2D barcodes	Data Matrix, MaxiCode, PDF417, QR

ENVIRONMENT

Operating	0 °C to +40 °C, 5–90% RH non-condensing
Storage	−40 °C to +60 °C, 5–85% RH non-condensing

COMMUNICATION & SOFTWARE

Interfaces	USB, RS-232 serial
Optional	RJ45 Ethernet, Bluetooth 4.0, Wi-Fi
Status feedback	Real-time printer status over USB / network
Label software	Date/time, serial numbers, Excel/TXT/SQL data; prints read TID/EPC
SDK	Control commands, dynamic library, web printing service
OS support	Windows, Linux, Android, iOS, Kylin, UOS

MEDIA & RIBBON

Label width	20–118 mm (0.8–4.6″)
Label roll	OD ≤ 127 mm · core ID ≥ 25.4 mm
Label thickness	0.06–1.5 mm incl. liner
Media sensor	Reflective (adjustable), transmissive (two positions)
Ribbon	≤ 110 mm wide · ≤ 300 m long
Ribbon roll	OD ≤ 70 mm · core 25.4 / 12.7 mm

PHYSICAL & POWER

Dimensions	208 × 310 × 195 mm (W × D × H)
Weight	2.62 kg
Power adapter	24 V DC, 2.0 A
Options	Automatic label stripper

APPLICATION AREAS

- Manufacturing: production & quality tracking
- Retail: anti-theft & self-service checkout
- Public safety: identity recognition
- Logistics, warehousing & postal express
- Healthcare: medical devices & patient ID
- Asset management: valuable & hazardous assets

RFID BG

Talk to Bulgaria's RFID team

End-to-end deployment: consulting, hardware, software, install & support.

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