

# UHF RFID Printer



## 1. Product Overview

The UHF RFID Printer is engineered for high-speed printing, achieving up to 8 inches per second. It supports multiple operating frequencies (920-925MHz / 902-928MHz / 865-868MHz) and complies with the EPC global C1G2 (ISO18000-6C) protocol, seamlessly integrating into RFID systems. With a spacious storage capacity and diverse interface options-including a USB Host, B-type USB, Ethernet port (standard), and optional Wi-Fi and Bluetooth modules-it offers versatile connectivity for various environments. Furthermore, it facilitates simultaneous data writing during printing, enhancing overall efficiency and productivity.

## Key Features

<b>Operating Frequency</b> UHF 860-960 MHz
<b>Engine</b> Module based on the Impinj E-series chip
<b>International Standard</b> EPC global C1G2 (ISO 18000-6C)
<b>Memory</b> RAM: 128MB   Flash: 256MB
<b>Max. Printing Speed</b> 8ips
<b>Max. Printing Width</b> 108mm
<b>Max. Printing Length</b> 2,286mm
<b>Label Design Software</b> Bartender Ultralite
<b>Driver</b> Windows Vista 7 / 8 / 10, Server 2012 / 2016 / 2018

## 2. Product Parameters

### 2.1 Physical Characteristics

SKU	AZ-CP30
Dimensions	293×237×180mm
Weight	2.9kg / 102.29oz.
Power Supply	External AC / DC switching power adapter, AC100V-240V / DC 24V / 2A / 48W, Peak 8A
LCD Display	3.5" TFT Color Touch Panel LCD
Control Panel	Power switch button, Feed button, 2 indicating Leds
Interfaces	Standard: USB, USB host, Ethernet
	Optional: Wi-Fi, Bluetooth



2.2 UHF RFID

Engine	Module based on the Impinj E-series chip
Frequency	920-925MHz / 902-928MHz / 865-868MHz
Protocol	EPC global C1G2 (ISO 18000-6C)

2.2 Printing

Printing Method	Thermal transfer / Direct thermal
Resolution	203dpi / 300dpi
Max. Printing Speed	8ips (203dpi) / 6ips (300dpi)
Max. Printing Width	108mm (203dpi) / 106mm (300dpi)
Max. Printing Length	2,286mm (203dpi) / 1,524mm (300dpi)
Emulation	ZPL-II, TSPL, DPL, EPL

2.3 Performance

Memory	RAM: 128MB
	Flash: 256MB
Detection	Sensor: Print Frame Open Detect, Ribbon End Detect, Paper Out Detect, TPH Over Heating Detect, 2 Fixed See-through sensor, Full Range Reflective Sensor
Software	Label Design Software : Bartender Ultralite
	Driver: Windows Vista 7 / 8 / 10, Server 2012 / 2016 / 2018
Graphics	Resident graphic file types are BMP and PCX, other graphic formats are converted by the software download
Resident Fonts	Bitmap fonts: 6, 8, 12, 16, 32, OCR A & B. 90°, 180°,270° rotatable and 10 times expandable in horizontal and vertical directions
	TTF fonts: Monotype CG Triumvirate™. 0°, 90°, 180°, 270° rotatable
Download Fonts	Bitmap fonts: 90°, 180°, 270° rotatable and 10 times expandable in horizontaland vertical directions
	Asian fonts: 16×16, 24×24. Traditional Chinese, Simplified Chinese, Japanese, Korean, 90°, 180°, 270°, rotatable and 8 times expandable in horizontal and vertical directions
	TTF fonts: 90°, 180°, 270° rotatable

2.4 Media

RFID Tag	UHF RFID, 860-928MHz, EPC C1G2 (ISO18000-6C)
Types	Continuous Paper, Gap, Black Mark, Punched Hole Label
Width	1" (25.4) - 4.65" (118mm), include the liner
Thickness	0.002" (60um) - 0.01" (250um)
Label Roll Diameter	5" (127mm) Max
Core Diameter	0.5" (12.7mm), 1" (25.4mm), 1.5" (38mm)



2.5 Ribbon

Types	Wax, Wax / Resin, Resin
Width	1.18" (30mm) - 4.33" (110mm)
Length	984' (300m)
Core Diameter	1" (25.4mm)

2.6 User Environment

Operation	41°F (5°C) to 104°F (40°C), humidity 30% to 85% non-condensing
Storage	-4°F (-20°C) to 122°F (50°C), humidity 10% to 90% noncondensinnng

2.7 Barcodes

1D: Code 39, Code 93, EAN 8 / 13 (add on 2 & 5), UPC A / E (add on 2 & 5), I 2 of 5 & I 2 of 5 with Shipping Bearer Bars, Codabar, Code 128 (subset A, B, C), EAN 128, RPS 128, UCC 128, UCC / EAN-128 K-Mart, Random Weight, Post NET, ITF 14, China Postal Code, HIBC, MSI, Plessey, Telepen, FIM, GS1 DataBar, German Post Code, Planet 11 & 13 digit, Japanese Postnet, I 2 of 5 with human readable check digit, Standard 2 of 5, Industrial 2 of 5, Logmars, Code 11, Code 49, Cadablock
2D: PDF417, Data matrix code, Maxi Code, QR code, Micro PDF417, Micro QR code, Aztec code

2.8 Code Page

850, 852, 437, 860, 863, 865, 857, 861, 862, 855, 866, 737, 851, 869, WINDOWS 1250, 1251, 1252, 1253, 1254, 1255, 1257, UTF-8, UTF-16BE, UTF-16LE, DBCS 932 (JIS), 936 (GBK), 949 (Koran), 950 (BIG5)
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2.9 Options & Accessory

Peeler Module, Cutter Module, External Label Roll Holder
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2.10 Agency Approval

CE EMC (EN 55022 Class B), FCC EMC (Class A), CCC, ROHS
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