SPECIFICATIONS

Model	MX2/MX2 Pro	MX3/MX3 Pro	MX6/MX6 Pro
Model with RFID	**MX2r/MX2r Pro**	**MX3r/MX3r Pro**	**MX6r/MX6r Pro**
Print Mode	Direct Thermal and Thermal Transfer	Direct Thermal and Thermal Transfer	Direct Thermal and Thermal Transfer
Print Resolution	203 dpi	300 dpi	600 dpi
Max Print Speed	18 ips (457.2 mm/s)	14 ips (355.6 mm/s)	6 ips (152.4 mm/s)
Max Print Width	4.09" (104 mm)	4.16" (105.7 mm)	4.16" (105.6 mm)
Max Print Length	196" (5000 mm)		
MPU	64-bit, quad Arm® Cortex®-A53 core, maximum operating frequency 1.8 GHz		
CPU	GC NanoUltra 3D (1 shader) & GC320 2D OpenGL ES 2.0		
Memory	2GB DDR4 RAM, 8GB managed NAND Flash		
HEAT™ Level ①	I		
RFID Encoder	Supports UHF EPC Gen 2, ISO 18000-6C protocols (Only available for RFID models)		
Media Roll	Maximum Media Width: 4.72" (120 mm) Minimum Media Width: 0.39" (10 mm) Maximum Outer Diameter: 12" (304.8 mm) Inner Diameter: 1.5" (38 mm) / 3" (76.2 mm) (Only the Pro models are equipped with media supply mechanism)		
Liner Rewind	Maximum Outer Diameter: 7.87" (200 mm) (Only the Pro models are equipped with liner rewinder)		
Minimum Label Length	Tear-off: 0.2" (5 mm)		
	Peel-off: 0.47" (12 mm)		
Media Thickness	Regular Barcode Label Printer and Regular RFID Label Printer: 0.0024" ~ 0.012" (0.06 ~ 0.305 mm), including liner		
	Mount-on-Metal RFID Label Printer② : 0.063" (1.6 mm) max., including liner		
Ribbon	Width: 0.79" to 4.33" (20 mm to 110 mm)		
	Maximum Ribbon Length: 1968' (600 m) Maximum Outer Diameter: 3.38" (86 mm) Inner Diameter: 1" (25.4 mm) Ink side: both In and Out		
Media Sensor	Upper reflective: detects black marks on print side Lower reflective: detects black marks on back side Transmissive: detects gaps, notches, holes		
Fonts	Five built-in dot matrix fonts, which include Basic Latin and Latin-1 Supplement character sets. Two built-in scalable fonts. One supports Latin, Greek and Cyrillic scripts, and the other is a GB2312 Chinese character set specifically. User downloadable TrueType fonts.		
Barcode Types	1D Barcodes: Code 39, Code 93, Code 128/subset A,B,C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, GS1-128, etc. 2D Barcodes: MaxiCode, PDF417, Data Matrix, QR Code, GS1 DataMatrix, GS1 QR Code, CS Code, etc.		
Interfaces	RS-232 Serial, 10/100/1000Mbps Ethernet, USB DEVICE 2.0, USB HOST, General I/O Signal Interface, Logic Control I/O Signal Wiring Terminal Block		
LCD Display	4.5" LCD Capacitive Touchscreen		
Power Source	100 ~ 240 VAC, 50/60 Hz		
Weight	MX2 & MX2r: 26.46 lbs (12 kgs)	MX3 & MX3r: 29.76 lbs (13.5 kgs)	MX6 & MX6r: 30.86 lbs (14 kgs)
	MX2 Pro & MX2r Pro: 36.38 lbs (16.5 kgs)	MX3 Pro & MX3r Pro: 39.68 lbs (18 kgs)	MX6 Pro & MX6r Pro: 40.79 lbs (18.5 kgs)

Model	MX2/MX2 Pro	MX3/MX3 Pro	MX6/MX6 Pro
Model with RFID	MX2r/MX2r Pro	MX3r/MX3r Pro	MX6r/MX6r Pro
Dimensions	MX & MXr: W 9.6" (245 mm) x D 16.0" (405.8 mm) x H 12.1" (306.7 mm) MX Pro & MXr Pro: W 20.3" (515 mm) x D 16.0" (405.8 mm) x H 14.4" (366 mm)		
Operating Environment	Temperature: 32°F ~ +104°F (0°C ~ 40°C) Relative humidity: 5% ~ 90% non-condensing Maximum Altitude: 5000 m		
Storage Environment	Temperature: -40°F ~ +140°F (-40°C ~ 60°C) Relative humidity: 5% ~ 90% non-condensing		

①HEAT™ (Heating Equilibrium Adaptive Tuning) developed by POSTEK, is a cutting-edge technology in heating control of thermal printheads. With HEAT™, the POSTEK printers can significantly improve their performance in the aspects of printout clarity and print speed. The HEAT™ level represents the fineness of the heating uniformity with level I being the finest.

②For Mount-on-Metal RFID tags, the flexibility of the tag and whether or not to use fillings to bridge the gaps between tags can affect print quality and even encoding success rate. It is strongly recommended to test the tags on this POSTEK printer before purchasing.

Optional Configuration

RFID Verifier*	External-mount module (Only available for RFID models)
Visual Verifier*	There are three software packages listed below for the visual verifier, and users can choose one from them based on needs and budget: 1. Verifies 1D & 2D barcode data. 2. Verifies 1D & 2D barcode data and evaluates printed barcode symbologies. 3. Verifies 1D & 2D barcode data, evaluates printed barcode symbologies, and inspects print defects. (An internal or external rewinder is required to keep the media flat without bending or buckling when passing through the visual scanning area.)
Ribbon Saving Kit*	Including the following items: 1. Automatic Brake on the ribbon take-up spindle. 2. The automatic printhead open/close module. 3. The media tension mechanism for a MX Pro model printer. (For standard models, the media supply system must take measures to prevent the media from being loose while backfeeding.)
Wireless Module*	WIFI IEEE 802.11a/b/g/n/ac/ax, 2.4/5GHz, Bluetooth 5.0

* Factory dependent.

MX Pro

MX

POSTEK

RUGGED PARTS, DURABLE MACHINES

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