The ION Thermal 2 receipt printer is part of the cost effective, high performance POS-X ION Series. Featuring an innovative top feeding, front loading paper design, the ION Thermal 2 provides the performance you demand with a sleek, innovative look.

The ION Thermal 2 features fast receipt printing, JamFree Autocutter Technology, and POS-X's industry leading warranty and free lifetime 24/7 support. The ION Thermal 2's modern front loading design allows for a smaller footprint, maximizing your counter space. Perfect for retail and hospitality operations, the ION Thermal 2 is dependable yet affordable.

RELIABLE & AFFORDABLE
Priced to beat the competition, the ION Thermal 2 features a JamFree autocutter and a thermal printhead that lasts over 100 miles of receipts.

FAST PRINTING
Output receipts at a rate of 8 inches per second (220mm).

COMPATIBILITY
With the ability to connect via USB, Serial, or Ethernet, the ION Thermal is fully ESC/POS and OPOS compatible.

WALL MOUNTABLE
Convenient mounting capabilities allow for optimal printer placement.

EASY PAPER LOADING
Easy drop-in thermal paper loading.

ENERGY EFFICIENT
Engineered for an energy-efficient lower-cost of ownership.

PART NUMBER	ION-PT2-1US	ION-PT2-1UE
INTERFACE SPECIFICATIONS		
Interface Details	USB 2.0/Serial RS232C	USB 2.0/Ethernet (10/100)
Emulation	ESC/POS Command Compatible, OPOS	
Print Method	Direct Thermal	
Printing Speed	8.7"/sec (220mm/sec)	
Print Resolution	180 DPI x 180 DPI	
Printing Direction	Unidirectional with Friction Feed	
Sensors	Cover Open, Paper End	
Cash Drawer Port	1 Port, (24 V, 1 A max)	
Reliability	TPH Life 93.2 miles (150Km) MCBF 70,000,000 lines	

PAPER

Type	Thermal Paper
Width	1.9" (50mm) - 3.15" (80mm)
Thickness	0.002" (0.06mm) - 0.0035" (0.09mm)
Roll Diameter	Max 3.15" (80mm)
Roll Core Inner Diameter	0.492" (12.5mm) ± 0.019" (0.5mm)
Character Set	Alpha Numeric Character 95 Extended Graphics 128 x 18 page (1 space per page); International Characters 14
Character/Line	Font A (12 x 24) 42 columns Font B (9 x 17) 56 columns
Barcodes Supported	EAN-8, EAN-13, CODE 39, ITF, UPC-A, CODABAR, CODE 93, CODE 11, ISBT-128, UPC-E, CODE 128, PDF 417, QR CODE, DATAMATRIX

AUTOCUTTER

Type	JamFree auto-retracting guillotine
Life	1,500,000 Cuts
Cutting Method	Full/Partial Cut

PHYSICAL

Dimension (WxDxH)	5.1" x 5.5" x 6" (130mm x 140mm x 154mm)
Weight	2.8lbs (1.3kg)
Color	Black
Electrical	100–240 VAC 50/60 Hz (input) 24 VDC/1.5 A (output)

ENVIRONMENTAL

Temperature	41°F to 104°F (5°C to 40°C) operating -4°F to 140°F (-20°C to 60°C) storage
Humidity	10% to 90% non condensing
Warranty	3-year warranty with free *2-day Advance Exchange Service
Certifications	FCC, UL, CE, Energy Star, RoHs, NOM
Operating System	WIN XP, VISTA, Win 7, Win 8, Win 10, OPOS drivers

WARRANTY EXTENSIONS AND UPGRADES

ZWE-CRW	2-Year Warranty Extension
ZOE-CRW3	*3-Year Next Business Day Exchange
ZOE-CRW5	*5-Year Next Business Day Exchange

*Available in the USA and Canada