

SPECIFICATIONS

1500 series scanner

Fast and reliable



		Linear Imager	Laser	2D Imager
Category	Corded	1500, 1500WA	1502	1504
	Bluetooth cordless	1560	1562	1564
RF Communication of Bluetooth scanner	Module	Bluetooth Class 2 (2.4 GHz) Version 2.0		
	Coverage	90 m / 295 ft. line of sight		
	Standard profile	SPP, HID		
Performance	Optical sensor	2500 pixels	Laser	752 x 480 pixels
	Light source	Red LED 625 nm (1560: Red LED 618-626 nm)	Visible laser diode at 650 ± 15 nm	625 ± 5 nm LEDs (2x)
	Resolution	3 mil	4 mil	3 mil - 1D barcode / 5 mil - 2D barcode
	Depth of field 13 mil barcode	0.5 to 35 cm / 0.2 to 13.8 in. (1500WA: long barcode 8.2 cm, 8 mil- 7.5 to 14.5cm / 3 to 5.7 in.)	2 to 57 cm / 0.8 to 22.4 in.	Code 39 3 mil: 6.9 to 10.7 cm / 2.7 to 4.2 in. Code 39 5 mil: 3.6 to 18.5 cm / 1.4 to 7.3 in. Code 39 7.5 mil: 0 to 25.1 cm / 0 to 9.9 in. UPCA 13 mil: 4 to 30.5 cm / 1.6 to 12 in. Code 39 20mil: 0 to 50 cm / 0 to 19.7 in. PDF417 5 mil: 2.8 to 4.5 cm / 1.1 to 1.8 in. PDF417 6.67 mil: 4.8 to 17.5 cm / 1.9 to 6.9 in. PDF417 10 mil: 0 to 22.9 cm / 0 to 9 in. PDF417 15 mil: 0 to 29.7 cm / 0 to 11.7 in.
	Scanning angle	Pitch ± 70° Skew ± 70°	Pitch ± 65° Skew ± 50°	Pitch ±60° Skew±60°
	PCS	Minimum 30%	Minimum 45%	
	Scan rate	200 scans, decodes / second (1500WA: 100 scans / second)	100 scans / second	60 frames / second
	Ambient illumination	100,000 lux		
	Hands-free scanning	Auto-sense and continuous modes	Continuous mode	Auto-sense mode, continuous mode and presentation mode
	Barcodes support	Codabar, Code 39, Code 93, Code 128, GS1 DataBar (RSS), Industrial 2 of 5, Interleave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 of 5, MSI, Plessey, Telepen, UPC-A, UPC-E, EAN-8, EAN-13, GS1-128 (EAN-128)		1D: All major codes ² 2D: PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX)
	Programmable features	Data editing, interface selection, symbology configuration		
	Language support	US and UK English, French, Italian, Belgian, Norwegian/Swedish, Spanish, Portuguese, German, Japanese and Turkish		
	Physical	Dimension L x W x H	15.3 x 6.1 x 9.3 cm / 6.0 x 2.4 x 3.7 in.	
Weight without cable / with battery		145 g / 5.1 oz. (1560: 173 g / 6.1 oz.)	1502: 149 g / 5.2 oz. 1562: 177 g / 6.2 oz.	1504: 154 g / 5.4 oz. 1564: 185 g / 6.5 oz.
Color		Black		
Switch		Tactile Switch		
Electrical	Memory for Bluetooth scanner reserver buffer / batch mode	4 K / 512 K		10 K / 4 M
	Working hours for Bluetooth scanner	24 / 12 hours depending on the CCD Sensor mode setting (Always Active function disabled/ Always Active function enabled, default setting)	24 hours based on 1 scans / 5 seconds	16 hours based on 1 scans / 5 seconds
	Voltage	+5 V ±10% / 3.7 V 800 mAh Li-ion battery		
	Power consumption ³ Standby / Operating	50 mA / 265 mA (1560: 45 mA / 270 mA)	1502: 35 mA / 210 mA 1562: 25 mA / 210 mA	1504: 30 mA / 280 mA 1564: 35 mA / 230 mA
User Environment	Temperature	Operating: 0°C to 50°C / 32°F to 122°F Storage: -20°C to 60°C / -4°F to 140°F		
	Humidity	Operating: 10% to 90% Storage: 5% to 95%		
	Impact resistance	1.5 m (4.9 ft) multiple drops onto concrete (1560: 1.2 m (3.9 ft) multiple drops onto concrete)	1.2 m (3.9 ft) multiple drops onto concrete	
	Ingress protection	IP30		
	Electrostatic discharge	±8 kV contact ±15 kV air		
	EMC regulation	1500: BSMI, CE, C-tick, FCC, IC, KC 1500WA: CE, C-tick, FCC, IC 1560: BSMI, CE, C-tick, FCC, IC, KC, NCC, SRMC, TELEC	1502: CE, C-tick, FCC, IC 1562: BSMI, CE, C-tick, FCC, IC, KC, NCC, SRMC, TELEC	1504: BSMI, CE, C-tick, FCC, IC, KC 1564: BSMI, CE, C-tick, FCC, IC, NCC, KC, SRMC, TELEC
Configuration	Setup options include Windows-based ScanMaster software, by direct connection or printing out barcode settings			
Accessories	USB, RS232 and keyboard wedge cables, Three-way desk/wall/auto-sense stand with optional weighted base, communication stand for Bluetooth scanner provides Bluetooth communication for up to 7 scanners, single battery charger for Bluetooth scanner			
Warranty	5 years (1560: 3 years)		3 years (engine 1 year)	

¹ It is based on communication stand without weighted base. ² All of the barcodes that 1500 series 1D scanners can read except French Pharmacode, Plessey, and Telepen. ³ The data is tested with USB interface.

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