		8000H series			8200H series		
Communication	Options	Batch	Bluetooth® Class 2 compliance[1]		Batch	802.11b/g, Bluetooth® V2.1	Bluetooth® V2.1
	Serial	IrDA (115.2Kbps)			--		
Performance	CPU	16-bit			32-bit		
	Program memory	2MB Flash			8MB Flash		
	Data memory	2MB / 4MB SRAM	2MB SRAM		4MB / 8MB SRAM		
	Operating power	Rechargeable 3.7V 700 mAh Li-ion battery			Rechargeable 3.7V 1200 mAh Li-ion battery		
	Backup power	Rechargeable 3.0V 7.0 mAh lithium battery			Rechargeable 3.0V, 18 mAh lithium battery		
	Working time[2]	100 hours	36 hours		124 hours	20 hours	40 hours
	Data retention	30 days			25 days		
	Alert	Dual-color LED, volume-programmable beeper			Dual-color LEDs (red / green, blue / green), vibrator, voice		
Data Capture	Barcode scanning	21 rubber keys with white LED backlight			Linear imager / Laser / 2D imager		
Physical Characteristics	Display	LCD 100 x 64 with LED backlight			2.1" 160x160 pixels, white LED backlight		
	Keypad	Linear imager / Laser			24 keys, white LED backlight		
	Dimension (L x W x H)	122 x 56 x 32 mm / 4.8 x 2.2 x 1.25 in.			136 x 58 x 25 mm (Linear imager) / 136 x 58 x 32 mm (Laser / 2D)		
	Weight (laser, including battery)	120 g / 4.2 oz.	125 g / 4.4 oz.		150 g / 5.3 oz.		
User Environment	Operating temperature	-10 °C to 60 °C / 14 °F to 140 °F			-10° to 55° C / 14° to 131° F		
	Storage temperature	-20 °C to 70 °C / -4 °F to 158 °F			-20° to 70° C / -4° to 158° F		
	Humidity (non-condensed)	Operating: 10% to 90% / Storage: 5% to 95%			Operating 10% to 90% / Storage 5% to 95%		
	Impact resistance	Multiple 1.2 m / 4 ft. drops onto concrete, 5 drops on each side			Multiple 1.2 m / 4 ft. drop onto concrete, 5 drops on each side / IP54		
	Electrostatic discharge	± 15 kV air discharge / ± 8 kV direct discharge			± 15kV air discharge / ± 8kV direct discharge		
	EMC regulation	BSMI, CE, C-Tick, FCC, IC	CE, FCC		BSMI, CCC, CE, C-tick, FCC, IC	BSMI, CCC, CE, C-tick, FCC, IC, NCC, SRRC, TELEC	
Development support		BLAZE C Compiler and BASIC Compiler					
Application Software		FORGE Application Generator including data transmission OCX, STREAM Wireless Studio, MIRROR Terminal Emulation			FORGE Application Generator including data transmission OCX, MIRROR Terminal Emulation		
Cradles		Charging and communication cradle, modem cradle, GPRS cradle (quad band), Ethernet cradle			Charging and communication cradle, Ethernet cradle		
Accessories		4-slot battery charger, AC / DC adapter, RS232 cable, USB cable			Protective cover, pistol grip, USB cable, RS232 cable		
Warranty		1 year					

		1500H series			1600H series
Communication	Options	Corded	Cordless		Cordless
	Module	--	Bluetooth® Class 2 (2.4 GHz) Version 2.0		Bluetooth® Class 3 (2.4 GHz) Version 2.0
	Converage (line of sight)	--	90 m³ / 295 ft.		10 m / 33 ft.
	Standard profile	2MB Flash			SPP, HID
Performance	Barcode scanning	Linear imager[4], Laser[1], 2D imager			Linear imager
	Optical sensor	Rechargeable 3.7V 700mAh Li-ion battery			2500 pixels
	Light source	Linear imager : Red LED 625 nm5 Laser : Visable laser diode at 650 ± 15 nm 2D imager : 625 ± 5 nm LEDs (2x)			Red LED 625 nm
	Resolution	3 mil to 5 mil[6]			3 mil
	Depth of field6 (13 mil Code 39 barcode)	Linear imager : 0.5 to 35 cm / 0.2 to 13.8 in. Laser : 2 to 57 cm / 0.8 to 22.4 in. 2D imager : 4 to 30.5 cm / 1.6 to 12 in. (UPCA)			3.5 to 38 cm / 1.4 to 15 in.
	Scanning angle	Pitch ± 60° to ± 70°, Skew ± 50° to ± 70°[6]			Pitch ± 70° Skew ± 70°
	PCS	Minimum 30 % to 45 %[6]			Minimum 30%
	Scan rate	1D : 100 to 200 scans / second[6], 2D : 60 frames / second			100 scans / second
	Ambient illumination	100,000 lux			--
	Hands-free scanning	Auto-sense mode, continuous mode, and presentation mode[6]			--
	Barcodes support	1D[7] : 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) 2D : PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX)			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)
	Programmable features	Data editing, interface selection, symbology configuration			
	Language support	US and UK Engliash, French, Italian, Belgian, Norwegian / Swedish, Spanish, Portuguese, German, Japanese, Turkish			US and UK Engliash, French, Italian, Belgian, Norwegian / Swedish, Spanish, Portuguese, German, Japanese, Turkish, Hungarian
Physical Characteristics	Weight[8] (including battery)	145 to 185 g / 5.1 to 6.5 oz.			50 to 69 g / 1.76 to 2.43 oz.
	Dimension (L x W x H)	15.3 x 6.1 x 9.3 cm / 6.0 x 2.4 x 3.7 in.			9.5 x 3.5 x 2 cm / 3.7 x 1.4 x 0.8 in.
	Switch	Tactile Switch			Push-button switch, plus [Delete] key
Electrical	Memory[6] reserve buffer / batch mode	4K to 10K / 512K to 4M			1K / 256K to 512K
	Working time[6]	12 to 24 hours[8] based on 1 scan / 5 seconds			30 to 40 hours based on 1 scan / 5 seconds
	Operating power	+ 5 V ± 10 % / 3.7 V 800 mAh Li-ion battery			Two AAA batteries / Li-ion 3.7V, 850 mAh
	Power consumption[6] Standby / Operating	25 to 50 mA / 210 to 280 mA			15 to 17 mA / 190 to 245 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 (non-condensing)	Operating : 10% to 90% Storage : 5% to 95%			
	Impact resistance[6]	1.2 to 1.5 m / 3.9 to 4.9 ft. multiple drops onto concrete			90 cm / 3.0 ft. multiple drops onto concrete
	Electrostatic discharge	±8 kV contact ±15 kV air			
	EMC regulation[6]	BSMI, CE, C-tick, FCC, IC, KC, NCC, SRMC, TELEC			BSMI, CE, C-tick, FCC, MIC, NCC, IC, TELEC, SRMC, KC
Configuration		Setup options include Windows®-based ScanMaster software, by direct connection or printing out barcode settings			Setup options include Windows®-based ScanMaster software
Accessories		USB, RS232 and keyboard wedge cables, Three-way desk/wall/auto-sense stand, communication stand for Bluetooth® scanner provides Bluetooth® communication for up to 7 scanners, single battery charger for Bluetooth® scanner			3610 Bluetooth® Transponder, Micro USB cable, and battery charger
Warranty		3 to 5 years[6] (laser and 2D engine : 1 year)	3 years (laser and 2D engine : 1 year)		1 year

1. It is only available upon request. 2. Based on one laser scan per five seconds with backlight off. 3. It is based on communication stand without weighted base. 4. 1500WA is also available upon request. 5. 1560 : Red LED 618-626 nm.
6. The performance and spec may vary depending on product model and configuration. 7. 2D engine supports all of the barcodes that 1500 series 1D scanners can read, except French Pharmacode, Plessey, and Telepen.
8. Working time for linear imager is based on CCD sensor is always active. 16 hours for 2D imager.