8000H / 8200H series

		8000H series			8200H series		
Communication	Options	Batch	Bluetooth® Class 2 compliance[1]		Batch	802.11 b/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 LEDs, 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" 160 x 160 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 / 1600H series

		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	Bluetooth® Class 2 (2.4 GHz) Version 2.1 + EDR
	Converage (line of sight)	--	90[3] m / 295 ft.	10 m / 33 ft.	20 m / 66 ft.
	Standard profile	--	SPP, HID		
Performance	Barcode scanning	Linear imager[4], Laser[1], 2D imager		Linear imager, Laser, 2D imager	
	Optical sensor	Linear imager - 2500 pixels, Laser, 2D imager - 752 x 480 pixels			
	Light source	Linear imager : Red LED 625 nm[5] Laser : Visable laser diode at 650 ± 15 nm 2D imager : 625 ± 5 nm LEDs (2x)		Linear imager : Red LED 625 nm Laser : Visible laser diode at 650 nm 2D imager : 625 ± 5 nm LEDs (2x)	
	Resolution	3 mil to 5 mil[6]		3 mil - 1D barcodes, 5 mil - 2D barcodes	
	Depth of field[6] (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)		Linear imager : 3.5 to 38 cm / 1.4 to 15 in. Laser : 2 to 42 cm / 0.8 to 16.5 in. 2D imager : 4 to 30.5 cm / 1.6 to 12 in. (UPCA)	
	Scanning angle	Pitch ± 60° to ± 70°, Skew ± 50° to ± 70° [6]			
	PCS	Minimum 30 % to 45 %[6]		Minimum 30%	
	Scan rate	1D : 100 to 200 scans / second, 2D : 60 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 DateBar(RSS), industrial 2 of 5, interleave 2 of 5, ISBT-128, Italian and French Pharmacodes, Matrix 2 to 5, MSI, Plessey, Telepen, UPC-A, UPC-E, EAN-8, EAN-13, GS1-128(EAN-128) 2D : PDF 417, MicroPDF 417, 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)			
	Programmable features	Data editing, interface selection, symbology configuration			
	Language support	US and UK English, French, Italian, Belgian, Norwegian, Swedish, Spanish, Portuguese, German, Swiss German, Japanese, Turkish, Hungarian, and Danish			
Physical Characteristics	Weight[6] (including battery)	145 to 185 g / 5.1 to 6.5 oz.		50 to 106 g / 1.76 to 3.7 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.		Linear imager : 9.5 x 3.5 x 2.0 cm / 3.7 x 1.4 x 0.8 in. Linear imager, Laser, 2D imager : 11.3 x 4.5 x 3.0 cm / 4.4 x 1.8 x 1.2 in.	
	Button	Power / scan key		Power and scan keys	
Electrical	Memory[6] reserve buffer / batch mode	4K to 10K / 256K to 4 MB			
	Working time[6]	12 to 24[8] hours based on 1 scan / 5 seconds		24 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 / 3.7V 850 mAh Li-ion battery	
	Power consumption[6] Standby / Operating	25 to 50 mA / 210 to 280 mA		15 to 20 mA / 190 to 250 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 (w/o battery)			
	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		0.9 to 1.5 m / 3.0 to 4.9 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, Mirco USB cable, battery charger and protective cover	
Warranty		3 to 5[6] years (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 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 Pharmacodes, Plessey, and Telepen.
8. Working time for imager is based on CCD sensor is always active 16 hours for 2D imager.