

SPECIFICATIONS

Performance Characteristics

Optical System	High performance Linear Imaging Engine
Print Contrast	L780WD : 25% minimum reflective difference F790WD : 20% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Working Distance ¹	L780WD : More than 16 inches on 100% UPC/EAN symbols More than 24" on general barcodes F790WD : More than 24 inches on 100% UPC/EAN symbols More than 32" on general barcodes
Light Source	L780WD : 630nm visible red LED with laser aiming F790WD : 630nm visible red LED
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch/Skew/Tilt	± 65° / 65° / 55°
Operating Mode	Trigger
Configuration Setup	On scanner Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan Wi-Fi PowerTool
User Interfaces	2-inch QVGA color display with backlit 2 function keys, one 5-way navigation key Blue link indicator and 2-color status indicators Programmable beeper Vibrator

Electrical Characteristics

Battery	3.7V, 2200mAh Li-ion rechargeable battery
Battery Charge Time	Approx. 4-5 hours per full charge

Communication Characteristics

RF Standard	IEEE 802.11b/g
RF Frequency	Country dependant; Typical 2.4 to 2.5 GHz
Operating Modes	Infrastructure mode, Ad-hoc mode
Communication Range	More than 150 meters in open space
Security	WEP, WPA, WPA2

Supported Symbologies

1D Linear (L780WD, F790WD)	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic Code 128, UCC/EAN-128, Codabar, Code 11, Code 93 Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5 German Postal Code, China Postal Code, IATA UPC/EAN/JAN, UPC/EAN/JAN with Addendum Telepen, MSI/Plessey & UK/Plessey GS1 DataBar (formerly RSS) Linear & Linear Stacked
Linear-stacked (L788WD, F798WD)	PDF417, Micro PDF417, Codablock, Composite

User Environment

Drop Specifications	Withstand multiple 1.8m/6ft. drops to concrete
Environmental Sealing	IP41
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% related humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 lux

Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 160.5 mm (D) 3.74 in. (L) x 2.78 in. (W) x 6.32 in. (D)
Weight	211g (battery included)
Color	Black

Safety & Regulatory

EMI/RFI	FCC Part 15 Class B, Taiwan EMC (BSMI) European Union EMC Directive (CE), Korea EMC (KC)
Radio	FCC Part 15 Subpart C, Japan MIC T401 CE EN300 328, Taiwan NCC LP0002 (NCC), Korea KC
Safety ²	LED Eye Safety IEC62471-1, Exempt Group Laser Eye Safety IEC60825-1, Class 1
Environmental	Compliant with RoHS directive

- Part No.: YMAUG8000000R0
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1. The working distances are measured in 400lux office environment using Grade A bar codes.
2. Don't stare into the LED or Laser beam.

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