Motorola DS3578 Series Specifications

Physical Characteristics

Dimensions:	7.34 in. L x 4.82 in. W x 2.93 in. D 18.65 cm H x 12.25 cm W x 7.43 cm D
Weight (w/o cable):	13.79 oz. (391 gm)
Battery:	2200 mAh Lithium Ion Battery
Battery charge time:	Fully charged (100%) in 3 hours
Color:	Twilight Black/Yellow

Performance Characteristics

Light source:	Aiming pattern: 650nm visible laser diode Illumination: 630nm LED
Imager Field of View:	Standard Range Focus: 39.6° H x 25.7°V High Density Focus: 38.4° H x 24.9° V
Roll/Pitch/Yaw:	±360, ±60, ±60
Motion Tolerance:	Up to 60 in./sec. (1.52m/sec.) for 100% 13 mil UPC. Motion tolerance will vary depending on code type, scan distance and print quality.

Symbology Decode Capability

1D Codes:	UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/EAN-13/ JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, Code 11 (Standard, Matrix 2 of 5), MSI Plessey, I 2 of 5 (Interleaved 2 of 5 / ITF, Discrete 2 of 5, IATA, Chinese 2 of 5), GS1 DataBar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked, Inverse), Base 32 (Italian Pharmacode)
PDF417 (and variants):	PDF417 (Standard, Macro), MicroPDF417 (Standard, Macro), Composite Codes (CC-A, CC-B, CC-C)
2D Codes:	TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse, Micro)
Postal codes:	U.S. Postnet, U.S. Planet, U.K. Postal, Japan Postal, Australian Postal, Dutch Postal, 4State Postal
DPM Marks (DPM unit only):	Datamatrix marks applied by dot -peening. All supported barcode types listed above marked by laser etching, chemical etching, ink marking, molding, stamping or casting methods on surfaces such as including metal, plastic, rubber or glass
IUID Support:	Supports IUID parsing. The ability to read and separate IUID fields per application requirements
Nominal Working Range:	See chart on back

User Environment

Operating temp.:	-4° F to 122° F/-20° C to 50° C
Storage temp.:	-40° F to 140° F/-40° C to 60° C
Humidity:	5% to 95% relative humidity, non-condensing
Sealing:	Sealed to IP65 specifications
Drop specs:	Unit functions normally after repeated 6.5 ft. (2 m) drops to concrete

# of Cradle Insertions:	250,000+ insertions
Ambient light immunity:	Incandescent – 150 ft. candles (1,600 LUX) Sunlight – 8,000 ft. candles (86,000 LUX) Fluorescent – 150 ft. candles (1,600 LUX) Mercury Vapor – 150 ft. candles (1,600 LUX) Sodium Vapor – 150 ft. candles (1,600 LUX) Immune to direct exposure to normal office and factory lighting conditions, as well as direct exposure to sunlight
Electrostatic discharge (ESD):	Conforms to 20 kV air discharge and 8 kV of contact discharge

Cradles	STB 3508 and FLB 3508	STB 3578 and FLB 3578
Power reqs.:	4.75 – 14 VDC	4.75 – 14 VDC
Typical current draw:		
Not charging:	10 mA	105 mA @5V 45 mA @9V
Fast rate charge:	915 mA @5V 660 mA @9V	915 mA @5V 660 mA @9V
Slow rate charge:	480 mA @5V 345 mA @9V	480 mA @5V 345 mA @9V

Radio Specification

Radio:	Bluetooth, Class 2, Version 1.2, Serial Port and HID Profiles
Frequency:	2.402 to 2.480 GHz adapative frequency hopping and co-existence with 802.11 wireless networks
Data rate:	720 Kbps
Radio range:	Radio range: Up to 300 ft. (100m) direct line of sight in open air. typical indoor cordless range is 100 ft. (33m), but range will vary depending upon environment; see Bluetooth Radio Performance Technical Brief for more information

Interfaces

Interfaces supported:	USB, RS-232, RS-485 (IBM 46xx Protocols), Keyboard Wedge, Synapse

Regulatory

Electrical Safety:	UL60950-1, CSA C22.2 No. 60950-1, EN 60950-1 / IEC 60950-1
Laser Safety:	EN 60825-1, IEC 60825-1, 21CFR1040.10, CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, EN 55022, EN 55024, AS/NZS 4268:2008, Japan VCCI
Environmental:	Compliant with RoHS directive 2002/95/EEC

Options

Accessories:	Holster (mounts to pants or belt); Intelli-Stand (hands-free scanning; Tool Balancer Pulley (tethered); Standard Cradle (Charge Only); Standard Cradle (Radio/Charge); Fork-Lift Cradle (Charge Only); Fork-Lift Cradle (Radio/Charge)

Warranty

The Motorola DS3578 Series is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

Recommended Service

Service from the Start – Bronze

See back for decode zone.

Rugged design withstands multiple 6.5 ft./2 m drops to concrete
Ensures maximum reliability with less downtime resulting from accidental drops

IP65-rated sealing
Protects against water and dust for reliable performance in harsh industrial conditions

Bright LED, beeper with adjustable volume and vibrating pager motor
Multiple confirmation modes for positive user feedback in noisy environments

Advanced data formatting
Eliminates costly modifications to the host software

Multiple on-board interfaces and universal cable set
Ensures flexible connectivity with different hosts; enables easy upgrading of hosts and cable replacement; provides investment protection

Supports 123Scan² scanner configuration tool
Enables rapid and easy customized set-up through a free, wizard-based PC software tool

Supports RSM (Remote Scanner Management)
Lowers IT expenses and TCO by enabling remote management from a central location