



Features

Zebra MAX Rugged:

Next generation rugged

design:

industry leading drop and tumble tests, IP67 sealing, Monocoque housing and integrated internal antennas (WWAN, WLAN and GPS); meets and exceeds applicable MIL-STD and IEC specifications for drop, tumble, sealing and other environment parameters

Next generation ergonomic design ' sleeker, smaller, easier-to-grip rugged form factor delivers a new level of comfort and easy one-handed operation for key-based applications

Zebra MAX FlexWAN for true carrier independence 'support one or more networks and change networks as needed with this flexible family. Purchase with one of three different WAN modules, or add and change WAN modules to meet the needs of your mobile workforce, right in your back room:

Zebra MAX Keypad:

Modular field swappable keypad options with new ergonomics 'alpha primary, numeric telephony, numeric calculator, and full alpha numeric

Extremely durable Polycarbonate Insert Mold Decorated (IMD) keypad

Best-in-class display with advanced LCD technology for easy viewing in any

ZEBRA MC9500-K SERIES

A PREMIUM INDUSTRIAL-CLASS MOBILE COMPUTER 'RAISING THE BAR FOR RUGGED KEY-BASED FIELD MOBILITY APPLICATIONS

The next evolution in rugged design, ergonomics, features, functionality and performance The MC9500-K Series leverages the flagship features and functionality of Zebra's signature MC9000 Series rugged mobile computers , while introducing many new capabilities defined through extensive research and testing in logistics, parcel/post, direct store delivery (DSD), field service, public safety and sales force automation applications in some of the world's leading organizations. The result is a device that is as different on the inside as it is on the outside 'a groundbreaking product with an unsurpassed feature set that takes rugged mobile computing innovation to a new level. With the MC9500-K Series, you can simply expect more: a more rugged design, more data capture options, more intelligence, more processing power and better ergonomics, all in a sleeker, lighter and easier-to-use form factor that offers true carrier independence as well as a completely new approach to accessories, battery and backroom management.

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		DATA CAPTURE		
Dimensions	9.2 in. H x 3.5 in. W x 2 in. D 23.36 cm H x 8.89 cm W x 5.08 cm D	Scanning	1D Scanner; 2D Imager; 3 MP auto-focus flash-enabled digital color camera with symbology	
Weight	22 oz./623 g (including battery, stylus, keypad & strap)	Scan Angle	decode software Optimized for scanning (15° downward angle)	
Display	3.7 in. VGA Color (TFT) Display (640 x 480) with touch panel and backlight	Options	Integrated Magnetic Stripe Reader (MSR) with encrypted head (optional)	
Touchpanel	Polycarbonate analog resistive touch	COLOR CAMERA		
Backlight	LED backlight	Resolution	3 megapixel	
Keypad Options	Modular: alpha primary; numeric telephony, numeric calculator, alpha numeric	Illumination	User controllable flash	
		Lens	Autofocus	
Expansion Slot	microSD slot ' supports up to 32 GB	1D LASER SCANNER (SE950)		
Notifications	Programmable LEDs; Audio notifications; Vibrator alerts	Range on 100% UPCA	24 in./60 cm	

		Resolution	4 Mil minimum element width	
PERFORMANCE CHARACTERISTICS		Roll	±35° from vertical	
CPU	Marvell PXA320 @ 806 MHz	Pitch Angle	±65° from normal	
Operating System	All models except MC959B:	Skew Tolerance	±50° from normal	
	Windows Mobile 6.5 (Classic and Professional editions) MC959B: Windows Mobile 6.1	Ambient Light Immunity	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting	
Memory	256MB RAM/1GB Flash		conditions. Fluorescent, Incandescent, Mercury Vapor,	
USER ENVIRONMENT			Sodium Vapor, LED: 450 Ft	
Drop Specification	6 ft./1.8 m drop to concrete across the operating temperature range; meets and exceeds applicable MIL-STD-810G drop specifications	Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86 Lux) Note: LED lighting with high A		
Tumble	2000 3.2 ft./1 m tumbles (4,000		can impact scanning performance.	
Specification	hits) at room temperature; meets and exceeds applicable IEC tumble specifications	Scan Rate	104 (±12) scans/sec (bi-directional)	
		Scan Angle	47° ±3° default; 35° ±3° reduced	
Operating Temperature	-4° F to 122° F/-20° C to 50° C			
•	Ambient to -40° F/-40° C	ZEBRA INTERATECHNOLOGY	ACTIVE SENSOR	
Storage Temp.	Ambient to 158° F/70° C RH 95%	Motion-sensor	3-axis accelerometer that enables	
Sealing	IP67 sealing; meets and exceeds applicable IEC sealing specifications	motion-sensing applications for dynamic scree orientation, power		
Humidity	5 - 95% non-condensing	-	management and free-fall detects	
Vibration	4g's PK Sine (5Hz to 2KHz); 0.04g2/Hz Random (20Hz to 2KHz); 60 minute duration per axis, 3 axis	WIRELESS LAN VOICE AND DATA COMMUNICATIONS		
		Radio	Tri-mode IEEE® 802.11a/b/g	
Thermal Shock	-40° F to 158° F/-40° C to 70° C rapid transition	- Security	WPA2 (Personal or Enterprise); 802.1x; EAP-TLS; TTLS (CHAP, MS-CHAP,	
ESD	±15kv Air discharge, ±8kv direct discharge, ±8kv indirect discharge	MS-CHAPv2, PAP or MD5); PEAP (TLS, MSCHAPv2 EAP-GTC); LEAP,		
Altitude	-1,200 ft. to 12,000 ft. operational; 15,000 ft. shipping	-	EAP-FAST (TLS, MS-CHAPv2, EAP-GTC); CCXv4 certified; support for IPv6; FIPS 140-2 Certified	
Key and Trigger	1 million presses	Antenna	Internal antenna w/diversity	
Light Immunity	Readability: Incandescent ' 450 ft. candles; Sunlight ' 8000 ft. candles; Fluorescent: 450 ft. candles	Data Rates Supported	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps	
		Voice Communications:	Voice-over-IP ready, Wi-Fi'¢-certified, IEEE 802.11a/b/g direct sequence	
BATTERY		_	wireless LAN, Wi-Fi Multimedia'¢ (WMM), Zehra	
Power	PowerPrecision Lithium ion battery 4800 mAh ' with State	-	Wi-Fi Multimedia'¢ (WMM), Zebra Voice Quality Manager (VQM)	
	of Charge			

ing 3.7 inch color high olution VGA display (640 0) with digitizer and klight

ility Platform nitecture (MPA) 2.0, ides the latest t-in-class technology form and enables easy cost-effective porting of lications from other ra mobile computers

kt generation formance:

erful Marvell PXA320 @ MHz microprocessor, er memory footprint and er accessible micro-SD

rosoft Windows Mobile 6. erating system increases roperability and security (dows Mobile 6.5 for grated voice and data lels; Windows Mobile 6.1 data-only MC959B model

ra MAX Sensor ' ractive Sensor hnology (IST) offers ling edge motionbased ications

ora MAX Locate:

ports Assisted and onomous GPS; SUPL 1.0 pliant ' enables a signal in challenging areas re signals are typically k, such as urban yons and indoors

AN:

.11a/b/g tri-mode radio; prehensive VoIP support S 140-2 certification ures data security ' even ensitive government ications

AN:

etooth® v2.1 with EDR for wireless connectivity xisting business ipment

ora MAX Data oture:

i-mode data capture: industry leading 1D/2D bar

Standby Time	150 hours	Electrical Safety	IEC/UL/CSA/EN 60950-1	code scanning plus 3	
Talk Time	8 hours (minimum/suspend mode)	Environmental	RoHS compliant	megapixel (2048 x 1536) autofocus flash-enabled optional digital color camera with decode and high resolution document capture capability High quality speakerphone, microphone and receiver for multiple voice modes ' handset, headset and speakerphone Zebra MAX Backroom	
User Profiles	Outdoor WAN+GPS: 15 min./hour voice communication, 10KB transmission every 10 min, and GPS on all time, default out-of-box configuration of other parameters, minimum 8 hours of operation Outdoor Voice: 15 min./hour voice communication, default out-of-box configuration of other parameters, minimum 8 hours of operation Outdoor Scan: 600 scans and WAN transmits per hour, default out-of-box configuration of other parameters, minimum 8 hours of operation of other parameters, minimum 8 hours of operation	WLAN and Bluetooth (PAN)	USA: FCC Part 15.247, 15.407 Canada: RSS-210 EU: EN 300 328, EN 301 893 Japan: ARIB STD T33, T66, T70, T71 Australia: AS/NZS 4268		
		Wireless Wide Area Network	GSM-HSDPA Global: 3GPP TS 51.010, 3GPP TS 34.121, 3GPP TS 34.123, GCF approved module		
			USA: FCC Part 22, Part 24 Canada: RSS-132, RSS-133 EU: EN301 511, EN301 908 Australia: AS/ACIF S 024 HAC compliant	Management: gamechanging backroom management through an industry-first Universal Accessory System	
			CDMA-EVDO USA: FCC Part 22, Part 24 Canada: RSS-129, RSS-133 HAC compliant NOTE: Data only MC959B model is not HAC compliant	Zebra MAX Battery: high capacity battery with unique, industry-first battery information indicators for state of charge and state of health, greatly simplifying battery management	
WIRELESS WA	WIRELESS WAN VOICE AND DATA		±50° from normal	IEEE 1725 compliance for	
Radio Radio		Ambient Light Immunity	USA: FCC Part 2, FCC OET Bulletin 65 Supplement C Canada: RSS-102 EU: EN 50360 Japan: ARIB STD T56 Australia: Radiocommunications Standard 2003	the entire MC9500-K system 'all models, batteries and power-related accessories (such as cradles and charging cables) MSP compatibility ' comprehensive and flexible centralized management of all devices, anywhere in the	
Frequency Band	HSDPA: 850, 900, 1800,1900, and 2100 MHz EVDO Rev A: 850 and 1900 MHz	EMI/RFI	USA: FCC Part 15, Class B Canada: ICES-003 Class B EU: EN55022 Class B, EN 55024, EN 301 489-1, EN 301 489-7,	world, all from a single console	
WIRELESS PAN DATA AND VOICE COMMUNICATIONS		-	EN 301 489-17, EN 301 489-19, EN 301 489-24, EN 60601-1-2, EN 50121-3-2, EN 50121-4		
Bluetooth®	Class II, v2.1 with Enhanced Data Rate (EDR); integrated antenna; FIPS 140-2 compliant	Laser Safety	Australia: AS/NZS CISPR-22 IEC Class2 / FDA Class II in accordance with IEC60825-1/EN60825-1		
IrDA	Infra-red port for connection to printers and other devices	For countries outside USA, Canada, European Economic Area, Japan, or Australia, consult your local Zebra representative			
VOICE AND AU	JDIO				
Audio VoWWAN; VoWLAN; rugged audio connector; high-quality speakerphone; support for wired and wireless (Bluetooth) headsets; headset, handset and speaker phone modes (Applies to all models except MC959B, which is data only)		NETWORK CO	USB 2.0 Client (High Speed) or USB 1.1 host (Full Speed); USB (via 1-bay cradle) or Ethernet (via 4-bay cradle)		

HAZARDOUS LOCATION PERIPHERALS AND ACCESSORIES* **CERTIFICATIONS** Communication Charge only cable, auto charge UL Class I, II, III Division 2, Groups A, B, C, D, F, G (and Charging cable, USB charge/sync cable, Select Configurations Only) Cables DEX cable, modem adapter cable Battery Chargers/ 4-slot battery charger; 1-slot RECOMMENDED SERVICES Cradles battery charger; 4-bay Ethernet cradle; 4-bay **Customer Services** charge only cradle; Service from the Start with Comprehensive single bay USB cradle; vehicle Coverage battery charger using auto charge cable; vehicle cradle with charging capabilities Application Snap-on magnetic stripe reader **Specific** Attachments Soft Goods Rigid and soft case holsters

WARRANTY

The MC9500-K Series is warranted against defects in workmanship and materials for a period of 12 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions.



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ZEBRA TECHNOLOGIES

^{*} For a complete list of MC9500-K Peripherals and Accessories, please visit www.zebra.com/mc9500k