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

MOTOROLA MC9500-K SERIES

The next evolution in rugged design, ergonomics, features, functionality and performance

The MC9500-K Series leverages the flagship features and functionality of Motorola'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.

FEATURES

Motorola 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

Motorola 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:

- 3.5G GSM HSDPA or CDMA EVDO Rev A WAN modules enable deployment as an integrated voice and data device on the cellular network of your choice
- Our dual on-board user-selectable modem creates a data-only device that can be activated on either or both networks by simply purchasing a data plan on the carrier(s) of your choice

Motorola 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 lighting 3.7 inch color high resolution VGA display (640 x 480) with digitizer and backlight

Mobility Platform Architecture (MPA) 2.0, provides the latest best-in-class technology platform and enables easy and cost-effective porting of applications from other Motorola mobile computers

Next generation performance: powerful Marvell PXA320 @ 806 MHz microprocessor, larger memory footprint and a user accessible micro-SD card

Microsoft Windows Mobile 6.x operating system increases interoperability and security (Windows Mobile 6.5 for integrated voice and data models; Windows Mobile 6.1 for data-only MC959B model)

Motorola MAX Sensor — Interactive Sensor Technology (IST) offers leading edge motionbased applications

Motorola MAX Locate: Supports Assisted and Autonomous GPS; SUPL 1.0 compliant — enables a signal lock in challenging areas where signals are typically weak, such as urban canyons and indoors

WLAN: 802.11a/b/g tri-mode radio; comprehensive VoIP support FIPS 140-2 certification ensures data security — even in sensitive government applications

WPAN: Bluetooth® v2.1 with EDR IrDA for wireless connectivity to existing business equipment

Motorola MAX Data Capture: Multi-mode data capture: industry leading 1D/2D bar code scanning plus 3 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

Motorola MAX Backroom Management: gamechanging backroom management through an industry-first Universal Accessory System

Motorola MAX Battery: high capacity battery with unique, industry-first battery information indicators for state of charge and state of health, greatly simplifying battery management

IEEE 1725 compliance for 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 world, all from a single console

WIRELESS WAN VOICE AND DATA COMMUNICATIONS

Radio	Modular 3.5G WAN (GSM HSDPA or CDMA EVDO Rev A) MC959B: Modular 3.5G Dual-WAN (GSM HSUPA and CDMA EVDO Rev A)
Frequency Band	HSDPA: 850, 900, 1800,1900, and 2100 MHz EVDO Rev A: 850 and 1900 MHz
Antenna	Internal antenna w/diversity

WIRELESS LAN VOICE AND DATA COMMUNICATIONS

Radio	Tri-mode IEEE® 802.11a/b/g
Security	WPA2 (Personal or Enterprise); 802.1x; EAP-TLS; TTLS (CHAP, MS-CHAP, MS-CHAPv2, PAP or MD5); PEAP (TLS, MSCHAPv2, EAP-GTC); LEAP, EAP-FAST (TLS, MS-CHAPv2, EAP-GTC); CCXv4 certified; support for IPv6; FIPS 140-2 Certified
Antenna	Internal antenna w/diversity
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 wireless LAN, Wi-Fi Multimedia™ (WMM), Motorola Voice Quality Manager (VQM)

WIRELESS PAN DATA AND VOICE COMMUNICATIONS

Bluetooth®	Class II, v2.1 with Enhanced Data Rate (EDR); integrated antenna; FIPS 140-2 compliant
rDA	Infra-red port for connection to MSCHACID 4-15(r)-29(s)-7(i)-19(t)-51(y)XUETEMC /Span XMCID 400 XDI3/M-CMMB(EDR); nE6D 412 XDC 331 gs/T1k24(o)243(e)-32IP readnE6D 16(6D 16(6D 16(6D

REGULATORY

Electrical Safety	IEC/UL/CSA/EN 60950-1
Environmental	RoHS compliant
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 **CDMA-EVDO** USA: FCC Part 22, Part 24 Canada: RSS-129, RSS-133 HAC compliant NOTE: Data only MC959B model is not HAC compliant
RF Exposure	±50° from normal
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
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, EN 301 489-17, EN 301 489-19, EN 301 489-24, EN 60601-1-2, EN 50121-3-2, EN 50121-4 Australia: AS/NZS CISPR-22
Laser Safety	IEC Class2 / FDA Class II in accordance with IEC60825-1/EN60825-1

For countries outside USA, Canada, European Economic Area, Japan, or Australia, consult your local Motorola representative

HAZARDOUS LOCATION CERTIFICATIONS

UL Class I, II, III Division 2, Groups A, B, C, D, F, G (Select Configurations Only)

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.

RECOMMENDED SERVICES

Customer Services	Service from the Start with Comprehensive Coverage