



Total Enterprise Access and Mobility (TEAM) VoWLAN (Single Mode) Solution

EWP1000/EWP2000 VoWLAN Smartphones



FEATURES

Enterprise-grade VoWLAN smartphones

Provides comprehensive business functionality in a compact consumer-style device built to withstand all-day every day enterprise use

Professional and semi-rugged models

Cost-effectively meet the needs of different types of workers

Microsoft® operating system: Windows Mobile® 6.1

Standards-based, open, and extensible to enable robust multi-vendor business applications on-demand, right on your TEAM VoWLAN smartphones

128MB RAM/256MB ROM

Provides memory space required to enable robust performance for the most processing intensive applications

IEEE 802.11a/b/g

Compatible with multiple vendors' WLANs

Motorola's Total Enterprise Access and Mobility (TEAM) solution enables a truly mobile office experience by delivering the communication services required to stay on top of business throughout the day. Easy to deploy, the TEAM solution easily integrates into existing IT infrastructure (including the wireless LAN and the PBX) as a non-intrusive overlay, creating a single common platform for the delivery of integrated voice and data services. This server-based offering provides workers with mobile access to the six key voice and data business services workers need to stay productive while on the move.

Six key mobile voice and data services

- **PBX telephony**
Extend the features and functionality of a desk phone to a mobile device.
- **Push-to-talk services**
Empower users with robust, instant communications — including the ability to call an individual or a group (with up to 255 definable groups).
- **Corporate email, calendar, contacts and other personal information management (PIM) tools**
Keep your workers in touch and on top of their schedule, task list and more.

- **Text messaging**

Service within the wireless LAN coverage area enables fast and efficient communications between workers — improving response times to customer demands and changing business conditions.

- **Internet/intranet access**

Provides on-the-spot easy access to web-based applications and information as needed throughout the business day.

- **Line of business applications**

Support for the latest industry standard mobile operating system, Windows Mobile® 6.1, simplifies mobile access to server-based business critical applications.

A single device for all communications

Featuring the EWP1000 and EWP2000 series of devices, the TEAM solution provides workers within the enterprise with a single device to meet all their communication needs. The EWP1000 Professional VoWLAN smartphone series offers enterprise-class durability, designed to handle all day use, including drops and bumps. The EWP2000 Semi-rugged VoWLAN smartphone series is designed to endure a more demanding environment, offering sealing against moisture and dust as well as a more rigorous drop specification.

Bluetooth support

Provides convenient wire-free connectivity to printers, headsets and more

TI OMAP™ 325 MHz processor

Delivers a superior combination of high performance and ultra-low power consumption

Multiple voice modes: handset, headset and speakerphone

Allows users to choose the right mode for the moment

Standard and high capacity batteries

Provides the flexibility to ensure operation throughout the business day

World-class services and support

Motorola offers a complete suite of Enterprise Mobility Services to get and keep your EWP1000/EWP2000 VoWLAN smartphones up and running at peak performance. Motorola's Advanced Services incorporate an integrated lifecycle approach — from assessment and commissioning to integration and handset staging — into a single streamlined program. And seamless integration with Motorola's Customer Services gives you the support you need, including around-the-clock access to technical support resources and rights

to download entitled software releases, to help ensure that all elements of your solution work at peak performance levels.

For more information about the TEAM VoWLAN solution and the EWP1000/EWP2000 VoWLAN smartphones, please visit us on the web at www.motorola.com/team, or access our global directory at www.motorola.com/enterprisemobility/contactus

TEAM VoWLAN Handsets at a Glance

Model Number	EWP1000 (Standard Battery)	EWP1100 (Expanded Capacity Battery)	EWP2000 (Standard Battery)	EWP2100 (Expanded Capacity Battery)
Dimensions (with 1400mAh battery)	4.72 in. L x 2.05 in. W .68 in. D/120mm L x 52mm W x 172mm D	4.72 in. L x 2.05 in. W .77 in. D/120mm L x 52mm W x 19.5mm D	4.74 in. L x 2.13 in. W .74 in. D/120.5mm L x 54mm W x 18.7mm D	4.74 in. L x 2.13 in. W .81 in. D/120.5mm L x 54mm W x 20.6mm D
Weight (grams)	5.11 oz./145 grams	5.47 oz./155 grams	5.36 oz./152 grams	5.71 oz./162 grams
Battery	BK90/1480 mAh	BK10/1750mAh	BK90/1480 mAh	BK10/1750mAh
Battery Life (talk/standby time)*	up to 7 hr/170 hr	up to 9 hr/200 hr	up to 7 hr/170 hr	up to 9 hr/200 hr
Accessory Desktop Charger	Single slot	Single slot	Single slot; 6-slot	Single slot; 6-slot
Water Intrusion Test (Environmental Sealing): IPx2	—	—	Yes	Yes
Drop MIL 810F 516.5, IV, 4 ft./1.2m drop	6x	6x	16x	16x
Humidity 50°C, 90-95% RH, 8 Hours	Yes	Yes	Yes	Yes
ESD (Electrostatic Discharge)	Yes	Yes	Yes	Yes
Operating Temperature 14° to 122° F/-10° to 50° C	Yes	Yes	Yes	Yes
Storage Temperature -40° to 185° F/-40° to 85° C	Yes	Yes	Yes	Yes
Product Flammability Test	Yes	Yes	Yes	Yes
Dust Test: MIL810F 510.4, III - 140 mesh silica 5hr	—	—	Yes	Yes
Vibration Test: TIA/EIA 603 para. 3.3.4	Yes	Yes	Yes	Yes
TEAM Express 1.0 Voice Client Included**	Yes	Yes	Yes	Yes

* Talk and Standby times vary based on shift and infrastructure profiles

** Please visit www.motorola.com/teamexpress for further information

TEAM VoWLAN Solution EWP1xxx/EWP2xxx Peripherals and Accessories

A wide variety of accessories allows you to easily customize the TEAM VoWLAN smartphones to best meet the needs of your applications and your workers – including high capacity batteries, audio

accessories, carry cases, desktop chargers and more. For a complete list of accessories, refer to the TEAM VoWLAN Accessories Guide, which can be found on the Motorola website.



SPECIFICATION SHEET

TOTAL ENTERPRISE ACCESS AND MOBILITY (TEAM) VOWLAN SOLUTION
EWP1000/EWP2000 VoWLAN Smartphones

EWP1000/EWP2000 R1.72 Series Specifications

Physical Characteristics	
Dimensions:	EWP1000 (Standard Battery): 4.72 in. L x 2.05 in. W .68 in. D/ 120mm L x 52mm W x 17.2mm D EWP1100 (Expanded Capacity Battery): 4.72 in. L x 2.05 in. W .77 in. D/ 120mm L x 52mm W x 19.5mm D EWP2000 (Standard Battery): 4.74 in. L x 2.13 in. W .74 in. D/ 120.5mm L x 54mm W x 18.7mm D EWP2100 (Expanded Capacity Battery): 4.74 in. L x 2.13 in. W .81 in. D/ 120.5mm L x 54mm W x 20.6mm D
Weight:	EWP1000: 5.11 oz./145 grams EWP1100: 5.47 oz./155 grams EWP2000: 5.36 oz./152 grams EWP2100: 5.71 oz./162 grams
Display:	2.0" Transmissive + Micro-reflective (TMR); 256K colors, 320 W x 240 L (QVGA size) with backlight brightness control (light sensor)
Backlight:	White LED backlight
Main Battery:	Rechargeable Lithium Ion: Standard Battery—1480 mAh Battery; Expanded Capacity Battery—1750 mAh Battery
Backup Battery:	Lithium Ion battery (rechargeable) 1mAh, 3V, 1 cell (not user-accessible)
Notification:	Vibrator and LED
Keypad:	Alpha Numeric
Audio:	High Audio Speaker, receiver, microphone, 2.5mm stereo headset jack w/PTT
Performance Characteristics	
CPU:	TI OMAP™ 325 MHz processor
Operating System:	Microsoft® Windows Mobile® 6.1 Native capabilities include: Internet/Intranet access via Internet Explorer Mobile; Windows Media Player 10; text messaging clients, email/calendar/PIM
Browser:	HTML 2.0 compliant
Memory:	128MB RAM/256MB ROM
Interface:	USB 2.0
Integrated Motorola Applications:	TEAM telephony and push-to-talk (PTT) client; voice recognition
User Environment	
Operating Temperature:	14° F to 122° F/ -10° to 50° C
Storage Temperature:	-40° F to 185° F/-40° C to 85° C
Humidity:	50 °C, 90-95% Relative Humidity, 8 hours
Antenna:	Internal
Drop Spec:	Drop MIL 810F 516.5, IV, 4 ft. /1.2m drop: EWP1000 series: 6 drops EWP2000 series: 16 drops
Sealing (water):	IPx2 (EWP2000 Series only)
Electrostatic Discharge:	±15kV air, ±8kV direct
Flammability Test:	All EWP1000 and EWP2000 models passed flammability test
Dust:	EWP2000: MIL810F 510.4, III
Vibration:	All models: TIA/EIA 603 paragraph 3.3.4
Languages supported:	English, French, Spanish, German, Italian, Swedish, Dutch, Portuguese (Br), Korean, Japanese, Chinese (Trad., Basic)

WLAN Data and Voice Communications	
Transmitters:	Wi-Fi 802.11 a/b/g and Bluetooth*
Bands:	Bluetooth & 802.11b/g: 2.4000 - 2.4835 802.11a : 5.15-5.25, 5.25-5.35(DFS), 5.47-5.725(DFS), 5.725-5.825GHz
Max Data Rate:	Bluetooth: 3 Mbps 802.11b : 11 Mbps 802.11a,g: 54 Mbps
Antenna Type:	Single-band omni-direction antenna for Bluetooth; dual-band omni-directional antenna for Wi-Fi
WLAN Radio:	Tri-mode IEEE® 802.11a/b/g
Operating Channels:	Chan 36-161 (5150 – 5825 MHz) Chan 1-13 (2412-2472 MHz) Actual operating channels/frequencies depend on regulatory rules and certification agency
Security:	WPA with TKIP and WPA2 with AES within 802.11 interface Authenticates subscriber and devices seeking WLAN association: - User Identity via user name and password RADIUS Challenge against AAA server - Device identity via 802.1x using EAP-TLS and X509 certificate exchanges
Voice Communication:	Integrated Voice-over-IP ready (P2P, PBX, PTT), Wi-Fi™-certified, IEEE 802.11a/b/g direct sequence wireless LAN; SIP 2.0 standards support
Regulatory	
Electrical Safety:	IEC/EN 60950-1
Environmental:	RoHS-compliant
WLAN and Bluetooth Radio:	USA: FCC Part 15.247; 15.407; 15.109/209; 15.403 Canada: RSS-210 EU: EN 300 328; EN 301 893; EN 302 502
RF Exposure:	USA: FCC Part 2, FCC OET Bulletin 65 supplement C Canada: RSS-102 EU: EN 62209-1 Australian Communications Authority Radio Communications (Electromagnetic Radiation - Human Exposure) Standard
EMI/RFI:	<ul style="list-style-type: none"> • 47 CFR §15.247, RSS-210 • 47 CFR §15.203 & RSS - Gen. Section 7.1.4 • 47 CFR §15.109/209 & RSS-GEN section 7.2.3.2 • 47 CFR §15.403 & RSS-210A9.2 • 47 CFR §15.407 & RSS-210A9.2 • FCC 06-96 & RSS-210 Annex 9. • 47 CFR §15.407 & §15.109/209, ICES-003 RSS-GEN section 7.2.3.2 • 47 CFR §15.407 & §15.107/207, ICES-003 RSS-GEN section 7.2.3.2 • FCC SAR COMPLIANCE FCC - 47CFR 2.1093 • EN 301 489-1 V1.8.1 • EN 301 489-17 V1.3.2 • AS/NZS CISPR-22
Certifications:	Bluetooth Qualification testing, 802.11 Wi-Fi Alliance Logo testing, CCXv4 certification, Microsoft Logo testing
Infrastructure PBX support:	TDM PBX (via Dialogic) IP PBX: Cisco, Avaya, Nortel, Toshiba, Mitel
Infrastructure AP compliance:	Motorola, Cisco
Warranty	
The EWP1000 and EWP2000 series (except accessories) are 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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