

WF43

Wireless POS PDA

Windows Mobile 6.5
Large and Bright 4.3" LCD
Proven Wi-Fi Reliability
Smart Power Management

WF43 POS PDA G-Senor IP54

Sunlight Viewable Weight 197g
25,000 Units Sold

Windows Mobile 6.5

Slim And Rugged Design
Sleep Mode Seamless Roaming
Auto Light Adjustment
Flash ROM Restore
50%+ Signal Coverage

WVGA 800x480

Single/Locked SSID

Wi-Fi Always On

USB Charging
Flip Cover

WF28

Drop Proof

WF35

Anti-Drop Belt Strap

QVGA 320x240



MSR with Hardware Encryption

RDP, PC Configurable

Large 2670mAh battery

Multi-Language Support

Anti-Slip Hand Strap Ambient Light Sensor

Replaceable Touch Panel

Smart Power Management

Ghost Backup

Charging Cradle

Portrait /Landscape Modes

Laser Barcode Scanner

Stronger Antenna

Admin/User Mode

Remote Management System WRMS

Sophisticated Power IC Design

Laser Barcode Scanner



Magstrips Card Reader



IP54



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Slimmest and Rugged Design



WF43 has been completely re-designed using the latest components available in the market place. It houses a faster CPU, bigger memory yet less component counts on the motherboard which enhances system reliability and ease of maintenance. The slim size makes it highly portable for the operators. WF43 weighs only 197 grams and is even lighter than the WF35. With the rugged design like IP54 Touch Panel and drop proof, it can survive with the tough operation environment.

Enhanced Maintainability

Wear and tear of day-to-day operation of the touch Panel (TP) is the major hardware failure for the POS PDA. WF43 adopts the detachable TP design so that it can be replaced easily and economically without replacing the LCD module. It sustains a longer life span for the machine working in the field for customers. Total cost of ownership can be reduced significantly.

Power Protection Enhancement

Unstable power supply with power surge; transient voltage and reversed polarity are key factors to burn the power IC of POS PDA on the motherboard. Sophisticated Power IC design including comprehensive ESD protection (Electrostatic Discharge) on every inlet, resettable fuse, standard mini-USB as charging mechanism are major improvement to protect WF43 from unreliable power source of different countries. Mini USB charging eliminates the risk of burning motherboard by incorrect voltage.

More Choices for Add-on Modules

MSR – track 1/2/3 card reading with AES
128 bit hardware level data encryption.
Laser barcode scanner – 1D barcode scanning.
Charging cradle – docking station and one
extra slot for battery charging.



Widely Remote Management System (WRMS)

* WRMS is the first in the industry that allows resellers to support their mobile POS PDA user remotely using inbuilt VNC alike utility on every WF43. Through the Internet, resellers can support remote users with trouble shooting e.g. ROM upgrade, POS application upgrade, remote backup, remote training etc. With WRMS, resellers can deliver the best support services to customers at any time, any place in the world without onsite visit. It reduces support cost significantly for resellers while providing the shortest response time to customers.

Distributor/Reseller Benefits

Product uniqueness, margin, reliability and on-going support cost are major factors for distributor/reseller to consider representing a product in their territories. WF43 POS PDA is one of the most pioneer products of its kind. It offers one of the best price/performance ratio for mobile terminal solution for the hospitality industry with proven track record. Widely distribution strategy is to have one distributor for one country so that the market and margin are protected for the distributor. With years of previous models manufacturing experience, WF43 has been engineered with the best design and protection for product reliability. With the new release of remote support system – WRMS, distributor/reseller can deliver responsive services to end-users through Internet where the on-going support cost can be greatly minimized.

* To be released

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WF43 Specifications

Scope		Details
System	Processor And Operating System	<ul style="list-style-type: none"> Intel PXA 624MHz Windows Mobile 6.5
Memory	Memory Flash Memory	<ul style="list-style-type: none"> 128MB RAM 256MB ROM (System ROM + backup disk + user disk)
Dimension & Weight	Dimension Weight	<ul style="list-style-type: none"> (H x W x D) 125 x 75 x 19mm 197g
Display, Input/Output Devices & Sensors	Display & Ambient Light Sensor	<ul style="list-style-type: none"> 4.3" 800x480 WVGA 64K color LCD / sunlight viewable Compatible with existing QVGA and VGA applications Ambient light sensor enables auto adjustment of LCD brightness
	Touch Panel	<ul style="list-style-type: none"> IP54 front panel - Anti water splash touch panel Separated with LCD for easy and low cost replacement
	G-Sensor	<ul style="list-style-type: none"> Auto screen rotation Auto sleep in pocket/holster (PDA upside down)
	Input Devices & Buttons	<ul style="list-style-type: none"> Stylus Power & reset button Side shortcut keys for optional barcode scanner / RFID add-on module
Drop Specifications	Drop Spec	<ul style="list-style-type: none"> 1.5m drop tested to concrete floor
Audio, Slots, Ports & Cover	Audio & Mic	<ul style="list-style-type: none"> Music speaker in noisy restaurant environment Dual-Mic + background noise reduction system Ready for voice recognition application
	Slots & Ports	<ul style="list-style-type: none"> Mini-USB port for charging and ActiveSync data transfer MicroSD memory slot
	Protection	<ul style="list-style-type: none"> Protective flip cover (avoids LCD breakage) Anti-drop elastic strap Anti-slip hand strap & holes
Communication	Wi-Fi	<ul style="list-style-type: none"> 802.11b/g + high sensitivity antenna Boost signal range up to 50% (Wider coverage & less signal drop) Unique sleep power (2% of power) + Wi-Fi always on
	Wi-Fi Reliability	<ul style="list-style-type: none"> Fast & seamless roaming Locked / Single SSID (persistent connection)
	Bluetooth	<ul style="list-style-type: none"> Bluetooth EDR v2.x Support Serial Port (mobile printer), headset and common profiles
Battery, Power & Charger	Battery	<ul style="list-style-type: none"> Large 2670mAh battery for typical 8 hours runtime Battery lock (prevent accidental reboot)
	AC Adaptor	<ul style="list-style-type: none"> Hi-grade AC-to-DC power adaptor / Standard USB interface
	Power IC Protection	<ul style="list-style-type: none"> Hi-grade power IC protection on motherboard ESD protection for all sockets/plugs, e.g. USB, MicroSD, headset jack & etc. Avoid high transient voltage /current, surge & reverse polarity
	Charging Cradle	<ul style="list-style-type: none"> Optional charging cradle for PDA & one extra battery charging
External Device	Detachable Design	<ul style="list-style-type: none"> Support detachable external device, e.g. barcode scanner, Magstripe card reader, RFID reader & etc Strong and reliable attachment at PDA's top
	Magstripe Card Reader (MSR)	<ul style="list-style-type: none"> Optional Magstripe Card Reader (MSR) add-on module
	Barcode Scanner	<ul style="list-style-type: none"> Optional barcode scanner add-on module (1D laser class 1)
	*RFID	<ul style="list-style-type: none"> Optional RFID add-on module ISO 15693, 14443A, 14443B & MIFARE
Remote Desktop (RDP)	RDP	<ul style="list-style-type: none"> Unique XP-like remote desktop client Supports COM port redirection for Bluetooth printer Supports full screen, auto-start application and fine tuning of RDP settings
Mass Deployment & ROM Upgrade	*Backup, Recovery & Upgrade	<ul style="list-style-type: none"> Complete system backup like Ghost¹ Complete system recovery ROM upgrade makes easy like recovery of system by the clone file
User / Admin Mode	User Mode and Security	<ul style="list-style-type: none"> Hardened environment for waiter / waitress Greatly reduces support cost due to software configuration issues Prevents access to file manager Prevents access to PDA files by ActiveSync and memory card
Widely Remote Management System	Management System and Remote Support	<ul style="list-style-type: none"> Monitor all PDAs deployed to different customer sites via Internet + Wi-Fi Gather PDA info and events, e.g. S/N, ROM version, settings like SSID, IP address & etc, events like power off, reboot, reset & etc. Enables ROM upgrade over Wi-Fi and Internet (onsite support no longer needed) Remote screen monitoring / troubleshooting Works like VNC – remote display of PDA screens
Notification Features & SDK	Notification and SDK	<ul style="list-style-type: none"> Vibrator System & programmable LED SDK for third party development Control on LED, Vibrator, Wi-Fi, Bluetooth & etc