



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

MSB 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

Stronger Antenna

Portrait /Landscape Modes

Laser Barcode Scanner

Admin/User Mode

Sophisticated Power IC Design

Remote Management System WRMS

Laser Barcode Scanner



Magstrips Card Reader



IP54





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Wireless POS PDA

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 137 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 built-in VNC like 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.



WF43

Wireless POS PDA

As demand for Windows Mobile 6.5 and bigger screen grows, Widefly is proud to release the newly developed WF43 POS PDA to meet customer needs.

Ever since the launch of WF28/WF33 two years ago, with the unique industrial specific features, Widefly has successfully deployed over 25,000 units to hospitality industry worldwide. The proven and reliable mobile solution has built a solid reputation for Widefly products within the community. Apart from the new customers of POS PDA, thousands of consumer PDA have been replaced with WF28/WF33.

Other than carrying on with the proven features of the predecessor, WF43 has been further enhanced with many new features:

Windows Mobile 6.5

A lot of POS applications were originally developed with Windows Mobile. WF43 provides a plug-n-play solution for the POS developer to migrate their existing programs into WF43 without program modification. Leveraging the power of Windows Mobile, Widefly customizes the Windows Mobile to support multi-languages, XP like RDP, and USB host for external detachable devices.



4.3" WVGA Display With 800x480

The new 4.3" LCD not only provides bigger and brighter screen with sunlight viewable resolution, it can accommodate most applications written in QVGA 320x240 or VGA 600x480 without any GUI modification. It supports auto light adjustment with ambient light sensor. Time to market and effort of program modification can be minimized.

WVGA 800x480 Compatibility



Features Specially for POS

POS installation environment can be very demanding. WF43 has included many unique features for the POS industry : Single/locked SSID, Always-on Wi-Fi, Seamless Roaming, Sleep Mode for long battery runtime, Admin/User mode, Ghost like backup utility for system backup and deployment, RDP auto-logout, G-sensor for portrait/landscape display and auto Sleep Mode, IP54 Touch Panel, drop proof, flip cover, anti-slip hand strap, anti-drop belt strap, Holster, etc. Altogether delivers a feature rich and reliable solution for POS mobile application.

Proven Wi-Fi Reliability

Proven features of the predecessor WF28/33 e.g. Sleep Mode, Always-on, Seamless Roaming etc. have been re-developed with WF43. At the same time, WF43 uses a high sensitivity antenna so that signal can be detected in a longer distance. Configurable roaming trigger level can be optimized so that roaming time across multiple access points can be achieved in seconds. Wi-Fi always-on allows thin client application e.g. RDP etc. to run smoothly without breaking the connection with the host system.

Long Battery Run Time With Smart Power Management

A large battery with 2670mAh is provided for WF43. Together with Sleep Mode and Always-on which consumes only 2% power. It provides an exceptional long battery run time in comparison with the competitors particular for those power hungry application e.g. RDP etc. G-sensor auto power off the WF43 once inserted into the holster in an upside down position which can further save significant battery power.

WF43 Specifications

Scope		Details
System	Processor And Operating System	<ul style="list-style-type: none"> ■ Intel PDA (PDA66) ■ Windows Mobile 5.0
Memory	Memory	<ul style="list-style-type: none"> ■ 128MB RAM ■ 256MB ROM (System ROM + backup data + user data)
Dimension & Weight	Dimension	<ul style="list-style-type: none"> ■ 94 x 94 x 31 (L x W x H) in inches ■ 1.8kg
Display, Input/Output Devices & Sensors	Display & Ambient Light Sensor	<ul style="list-style-type: none"> ■ 4.3" 262Kx160 WVA6 650 color LCD / sunlight readable ■ Compatible with existing QWERT and QWAZ keyboards ■ Ambient light sensor enables auto adjustment of LCD brightness
	Touch Panel	<ul style="list-style-type: none"> ■ PDA front panel - Anti water splash touch panel ■ Replaced with LCD for easy and low cost replacement
	G-Sensor	<ul style="list-style-type: none"> ■ Auto screen rotation ■ Auto sleep in pocket/bagster (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, I/Os, 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
	IOs & 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"> ■ Protection flip cover (avoids LCD scratchage) ■ Anti-drop elastic strap ■ Anti-slip hand strap & holes
Communication	WiFi	<ul style="list-style-type: none"> ■ 802.11b/g + high sensitivity antenna ■ Broad signal range up to 300m (thru coverage & less signal drop) ■ Unique sleep power (2% of power) + WiFi always on
	WiFi Reliability	<ul style="list-style-type: none"> ■ Fast & seamless roaming ■ Locked / Single SSID (persistent) connection
	Bluetooth	<ul style="list-style-type: none"> ■ Bluetooth 2.0 + v2.0 ■ Support Serial Port (enable 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 retool)
	AC Adapter	<ul style="list-style-type: none"> ■ Hi-grade AC-to-DC power adapter / Standard USB interface
	Power IC Protection	<ul style="list-style-type: none"> ■ Hi-grade power IC protection on mother-board ■ ESD protection for all systems/plugs, e.g. USB, MicroSD, headset jack & etc. ■ Avoid high transient voltage transient, 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 ■ Optional Magstripe Card Reader (MSR) add-on module
	Magstripe Card Reader (MSR)	<ul style="list-style-type: none"> ■ Optional barcode scanner add-on module (1D laser class 2)
	Barcode Scanner	<ul style="list-style-type: none"> ■ Optional RFID add-on module ■ ESD (ESD, 1-44KVA, 1-44KVA & MPAAE)
Remote Desktop (RDP)	RDP	<ul style="list-style-type: none"> ■ Unique XP-like remote desktop client ■ Supports COM port emulation 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 file (Ghost) ■ Complete system recovery ■ ROM upgrade enables easy file recovery of system by the clone file
User / Admin Mode	User Mode and Security	<ul style="list-style-type: none"> ■ Hardened environment for safer / wireless ■ Greatly reduces support cost due to software configuration issues ■ Prevents access to file manager ■ Prevents access to PDA files by ActiveSync, and memory card
Wireless Remote Management System	Management System and Remote Support	<ul style="list-style-type: none"> ■ Monitor all PDAs deployed to different customer sites via Internet + WiFi ■ Gather PDA info and events, e.g. E/M, ROM version, settings like SSID, IP address & etc, remote file power off, reboot, reset & etc. ■ Enables ROM upgrade over WiFi and Internet (remote 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"> ■ Monitor ■ System & programmable LED ■ SDK for third party development ■ Control on LED, vibrator, WiFi, Bluetooth & etc



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