Widefly WF28
Wireless. POS. PDA

- *Enhanced Wi-Fi Reliability*
- *8 days Wi-Fi Standby*
- *Easy to Manage and Deploy*

An unique Wireless PDA Solution specially made for the Hospitality Industry

In hospitality industry, system reliability and deployment cost are always the most concerned criteria when handheld solution is being deployed for the operation. WF28, a wireless POS PDA specially made for the industry, delivers with one of the most reliable Wi-Fi wireless communication. At the same time, it can be deployed and managed in a very cost effective manner.

Reliable wireless communication

By enhancing the driver/firmware of the Wi-Fi module, WF28 is able to deliver a reliable wireless communication environment through a Single SSID implementation. Only a designated SSID (network) is being connected at all time. Other near-by APs (Access Points) will be masked and ignored. This approach will prevent interference and misconnection with other wireless network. For multiple APs installation, smooth roaming is a critical element for successful implementation. WF28 has enhanced the roaming capability at the firmware level. In most cases, roaming across APs can be completed within a second! For large area with multiple APs, this outstanding roaming feature can be very crucial for smooth operation! All these unique features enable WF28 delivers an unmatched network reliability in compare with those consumer based PDA solution.

Wi-Fi always-on with power saving

Another important feature of WF28 is the unique Sleep Mode. When it is activated, it can save 50 times more power consumption in compare with conventional PDA while Wi-Fi stays online with application. Under this mode, WF28 can be standby for over 8 days! WF28 comes with 1200/1800mAh batteries for customer to choose. With power saving Sleep Mode, a single battery can easily support a full day restaurant operation.

Special features for the industry

WF28 comes with industry specific features e.g. vibrator, signal lighting, Magstripe Card Reader (MSR) with encryption, strip mount etc. All these unique features allow System Integrator to enhance their application to best serve their customer needs in POS applications.

Ease to manage and deploy

To deploy multiple PDAs to customer site is always not an easy task, not to say the on-going support. With this in mind, WF28 provides two different modes for support purposes: Administration and User Modes. System settings and parameters are stored under Administration Mode and user cannot modify without proper authority. In User Mode, only application can be seen and executed. Functions like file copy, music, video, game etc. are all removed. The "ghost" feature enables System Integrator to copy all system settings from one WF28 to another easily so that standardized setting for each PDA can be enforced. For backup batteries, a multi-charger is available (coming soon) as an option. In case of machine break-down, spare parts are available for System Integrator to deliver on-going services for their customers.

Highlights

Windows CE 5.0 based PDA embedded with exceptional 802.11.b/g Wi-Fi communication reliability	Powerful Roaming feature enables smooth operation across multiple APs	Superb Power Management allows WF28 to standby for 8 days!	Provide Administration and User modes for easy field deployment	Provide industrial-specific features like MSR, vibrator, signal lighting, strip mount

Features

- Single SSID: Modified at driver & firmware level, only designated SSID will be detected and connected regardless of single or multiple access point environment
- Always-on Wi-Fi: Connection maintained in "sleep mode", saving up to 50 times more power consumption
- Wi-Fi can standby for more than 8 days
- Fast Wi-Fi roaming across APs, typically in 1 second
- Configurable Wi-Fi roaming trigger level
- Application environment and system settings protected
- Clone & Backup Utility: Configure one master PDA and clone to many
- Superb Power Management: CPU runs slower in backlight dim state. Sleep mode maintains Wi-Fi connection with superb low power consumption
- Battery & charger options: 1200mAh & 1800mAh battery. 6-to-1 Multi-charger (coming soon)
- Magstripe Card Reader (MSR): Fully integrated and detachable. Card data is encrypted at hardware level
- Real-time Alert Feature: Vibrator & programmable LED (6 colors)
- Multi-lingual Operating System: English & Chinese
- Handwriting Recognition: English & Chinese
- Strip mount avoids damage due to dropping
- Spare parts provided for System Integrators & ISV (Independent Software Vendor)
- Standard Windows CE 5.0 Platform & SDK

Specifications

System	Processor	Samsung 300MHz CPU (ARM9)
	Operating System	• Microsoft Windows CE™ 5.0 • Multi-lingual Operating System
Memory	Memory	64MB
	Flash Memory	128MB (System ROM + user persistent storage)
Display and Input / Output Devices	Display	2.8 inch TFT QVGA / 64K color
	Input Devices	Stylus / Touch sensitive display for stylus and fingertip
Audio, Slots, Ports & Cover	Audio	buzzer (music disabled)
	Ports	• 1 x mini-USB 1.1 Host & Client • 1 x DC power jack
	Slots	1 x SD card expansion slot
	Stripe Mount	2 x Strip mount
	Cover	Protective plastic flip cover
Communication	Wireless	• Wi-Fi (802.11b/g) • Single SSID (Persistent wireless connection) • Fast roaming • Always on Wi-Fi in Sleep Mode
	Data Synchronization with PC	• Data transfer via Microsoft ActiveSync • 1 x mini-USB cable
Application Deployment & Protection	Configurations Protection	• Protected Admin & User Mode • Administrator password • Prohibit files access & program installation in User Mode
	Clone & Backup	Clone Utility for deploying master configured PDA to many PDAs
Optional Magstripe Card Reader (MSR)	MSR	• Integrated and detachable with mini-USB • Data encryption at hardware level • Low power consumption
Real-time Notification Features	Notification Features	• Vibrator • Programmable LED (6 colors)
Battery, Power & Charger	Standard Battery	Removable and rechargeable 1200mAh battery
	Optional - Extended Battery	Removable and rechargeable 1800mAh battery
	Standard Charger	AC to DC Adaptor (connect to DC power jack)
	Optional 6-in-1 Multi-charger (Coming Soon)	Standalone charger with 6 independent channels for 1200 & 1800mAh battery
Dimensions & Weight	Dimensions (H x W x D)	3.93" x 2.40" 0.61" (100 x 61 x 15.5 mm)
	Weight	110.5g (3.89 oz) (includes standard 1200mAh battery, without MSR)

Package Contents

- WideFly WF28 PDA
- AC Adaptor
- Mini-USB data synchronization cable
- Removable / rechargeable 1200mAh battery
- Stylus and protective flip cover
- WideFly WF28 Documentation

Widefly

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