

# finpad 700f



IEEE 802.11b/g & Bluetooth®



QVGA Color LCD

802.11b/g Compatible Mobile Information Terminal & Single Band Access Point

Linux OS

## Network Management

Wireless LAN connected to key system requires safer and more solid system structuring. "MORS Evolution", middleware integrating years of business results for structuring wireless LAN, provides safe operation of mobile wireless networks.

## Scalability & Mobility

The communication environment is based on two types of wireless "SS wireless (802.11b/g)" "Bluetooth" and the middle-ware MORS is realized. A terminal operating environment with advanced scalability and mobility is realized from LAN/WAN between ports.

## Security

Furuno Systems adds unique features in addition to the basic security of wireless LAN to provide a higher level of safety. Safer and more secure mobile wireless networks can be structured for the future.

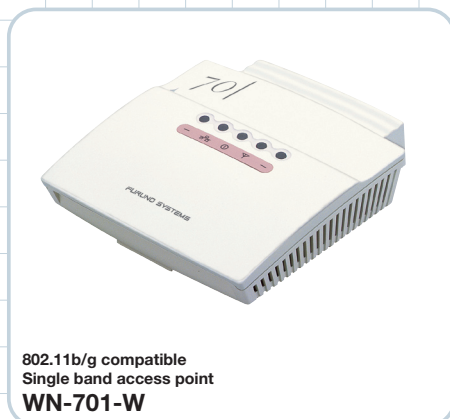
## Bringing mobile information terminals closer to you.

### Features

- **Large color LCD**  
2.8" 240 x 320 (QVGA) transmissive color LCD.
- **Bluetooth™ interface**  
RS-232C and Bluetooth™ interface for greater expandability.
- **10-hour operation**  
Low-power consumption and extended operation to maintain "realtime" communication.
- **2.0m drop durability**  
Terminal can withstand drops from low heights at various angles. Further durability from shock during daily use.
- **3 trigger keys**  
Key allocation that can correspond to right-hand, left-hand and normal/reverse-hand operations.
- **Easy single-hand operation**  
It only weights 230g with a large LCD. Its weight balance and sure-grip feeling provide comfortable handling and carrying.



## finpad 700f (PI-13700-W)



### finpad series



1D-Barcode  
finpad 700f



2D-Barcode  
finpad 703f



RF-ID  
finpad 704f



finpad 703f



finpad 700n



What is "safety style"? "Safety style" is a concept of products and services Furuno proposes to ensure safe and worry-free operation of information systems by customers.

# finpad 700f

## Variety of elements that support the "safety style" of Furuno Systems

### Network Management

<b>ELEMENT 1</b> <b>Management and monitoring tools</b> are provided to endure a more reliable wireless LAN network.	<b>ELEMENT 2</b> Management feature suitable for the onsite usage is provided to realize low power consumption and <b>long operation</b> of the terminal.	<b>ELEMENT 3</b> <b>High-speed roaming</b> is provided for more flexible and more active onsite environment of the wireless network.
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### Scalability & Mobility

<b>ELEMENT 4</b> <b>Asset inheritance</b> of hardware and software suitable for the user growth is realized by unified product development.	<b>ELEMENT 5</b> <b>Area design</b> know-how that realizes structuring of wireless network environment suitable for user needs including small-scale and large-scale businesses is provided.	<b>ELEMENT 6</b> Complete <b>interference measures</b> are established for pleasant communication in all wireless environments from wireless to mobile.
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### Security

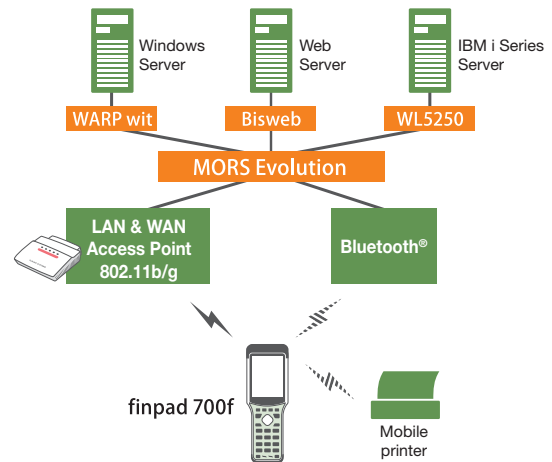
<b>ELEMENT 7</b> Hardware and software that pursue "quality" and "reliability" of wireless networks realize <b>safety</b> equivalent to wireless communication.	<b>ELEMENT 8</b> More reliable <b>security features</b> familiar with wireless communication environments are provided to realize flexible and secure wireless network environments.
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### Correspond to two types of wireless.

#### MORS Evolution

Inheriting the prior MORS function, two types of wireless communication are supported. Switch among two types of "SS wireless communication (IEEE802.11b/g)", "Bluetooth communication", depending on the usage environment. Furthermore, the communication middleware can also correspond to the networks such as WAN for totally control of the small to large-scale systems. Complete security countermeasures indispensable to open wireless environments make it possible to realize safe application development & execution environment without upper middle-ware being aware of wireless communication.

## System configuration



### Creating the optimal business environment

#### MORS /WARP wit

Based on the integrated development tool WARP (emulator) using Visual Studio, macro feature for coding applications has also been added to the terminal side.

#### MORS /WL5250

Based on MORS wireless system, this terminal emulator connects between IBM i Series and Telnet 5250.

#### MORS /Bisweb

Business wireless terminals can be used as Web system clients. Based on the specifications of Compact HTML, extended HTML tags necessary for businesses are also available.

## Hardware

### Wireless connection device

#### For communication within premises

SS wireless  
802.11b/g

802.11b/g compatible single band access point

#### WN-701-W



- Adapts to integrated environment using MORS.
- Realize the efficient mobile environment with best matching with the finpad series.
- Enhance security feature by passing the operating data from the specific terminals only.
- High environmental endurance
- PoE (802.3af standard) requires no power cable.
- The maximum communication distance  
Open: approx. 150 m  
Semi-open: approx. 75 m
- Compact style with adapting to the environment

### 700f specifications

Item	Specification	
Controller	CPU	32-bit RISC
	OS	Linux
	ROM	58MB
	User disk	6MB
	RAM	64MB
Display	Size	240x320 pixels (QVGA)
	Pitch	0.17 x 0.17 mm
	LCD	2.8" transmissive color LCD
	Color	65,000 colors approx.
	Font	Scalable
Input keys	Character type	GB2312-80, alphabet, figure, Japanese, Chinese, English
	10-key	"0-9"
	Special key	"SF", "C", "ENT", "BS", "S1", "S2"
	Function key	"F1" ~ "F4", "▲", "▼", "◀", "▶"
	Power key	"ON", "OFF"
Scanner	Trigger key	Front, left, right
	Method	Optical semiconductor laser
	Scannable range	*45mm ~ 70mm (resolution: 0.1mm) *50mm ~ 700mm (resolution: 1.0mm)
	Scannable code	UPC, EAN/JAN, Code39, Code93, Code128(GS1-128), NW-7, ITF/DTF, RSS (GS1DataBar)

Interface	Item	Specification
Bluetooth	Bluetooth	Ver.2.0 compatible
	WLAN standards	IEEE 802.11b/g
Wireless specifications	Modulation method	802.11b : DS method 802.11g : OFDM method
	Frequency range	2.4 ~ 2.497GHz
Others	Communication range	Open: approx. 150m Semi-open : approx. 75m
	Buzzer	3 volumes, multi-tone
Power supply	LED	2-color LED (for wireless communication, power, user)
	Vibrator	Yes
	Main power supply	Li-ion battery, 3.7V, 1950mAh
	Backup battery	Lithium secondary battery
Physical characteristics	Operating time	Approx. 10 hours
	Battery charging time	3 ~ 3.5 hours
	Dimensions	L 172 x W 60(46) x H 38(27) mm ( ) without grip and protrusions
Environment	Weight	Approx. 230g
	Drop	2.0m
	Anti-shock	Withstands multiple drops from various angles
	Water resistance	IEC529 IPX4
	Static electricity resistance	±20KV
EMI	Static electricity resistance	±20KV
	Operating temperature	CISPR22 Class A -5°C to 45°C (no condensation)

### Cautions when handling wireless LAN features

#### ◎ Cautions on radio wave

- Do not change the transmitting frequency, or increase the transmitting power without authorization. (Including the additional radiofrequency power amplifier) Do not connect the antenna without authorization or change to use the other transmitting antenna.
- When using the equipment, please avoid interfering with any illegal radio communication service; if any interference is occurred, please stop using immediately, and continue to use it after taking measures to cancel the interference.
- The micro power radio equipment should support any interference from some radio services or any radiated interference from industrial, scientific and medical equipments.
- Do not use the equipment near the plane or airport.

\* Product names and company names are registered trademarks and trademarks of their respective owners. \* Specifications and designs are subject to change without prior notice. \* Colors shown on print may differ slightly from the colors of the actual product.

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