CASIO®

The Compact Communication Terminal with Enhanced Operability. Industrial PDA Designed to Support Information Sharing in the Workplace

- Compact enough to fit into a shirt pocket and be taken anywhere. Measures just 76 x 155 x 19.6 mm
- 9.4 cm (3.7 inch), VGA (480 x 640 dots) Blanview® LCD with a capacitive touch panel
- Equipped with IEEE 802.11b/g standard wireless LAN compatible with WPA2 security standards
- Web browser and document viewer which allows one-touch gesture control
- Supports e-mail transmission and video playback of MPEG-4 and WMV files
- Semi-conductor laser scanner for scanning most common barcode symbologies. Examples include inventory control in stockrooms, retail price checking and verifying data to ensure proper medical treatment
- Equipped with Bluetooth® Version 2.0 (Class 2) to enable connection to mobile printers and other devices
- Includes remote desktop tools that enable secure access to business application software on personal computers
- Meets IP54 dust/splash-proof standards and is durable enough to withstand a 1.5m drop to concrete

Bluetooth®

The IT-300 Compact Communication Terminal Accelerates Communication in Multiple Business Environments.
The IT-300 Changes the Style of Workforce Communication and Co-operation.

This compact communication terminal, IT-300, is an industrial personal digital assistant (PDA) designed to enable businesses to create a new working style by providing PDAs to all employees.
The IT-300 has a slim, flat form factor ideal for retail and other similar environments and delivers excellent functionality as a communication tool for real-time information sharing. For example, it is the ideal tool for the management of every aspect of retail store operations, for serving customers, exchanging instructions among employees and performing stockroom operations.

Slim Styling and Intuitive Operation

STYLE

▌ Combined Multi-touch and Alphanumeric Keypad Input

The screen is a capacitive touch panel that supports multi-touch input, an intuitive, stylus-free method of operation that eliminates user stress. For number and text input, the IT-300 has a keypad similar to those on familiar mobile phone keypads.

▌ Human-Centered Design

The compact, lightweight device is suitable for carrying in a shirt or uniform pocket at all times. The housing has been developed using the ISO13407 Human-Centered Design process for maximum ease-of-use. For example, the rounded shape of the sides ensures stability and comfort in the palm.

▌ 3.7-Inch LCD with L

The terminal is equipped with a 3.7-inch color Blanview® TFT LCD. The VGA, high-resolution (640 x 480 pixels) LCD provides high-quality images and excellent visibility in indoor and outdoor lighting conditions. The use of LEDs as the source of backlight ensures low power consumption enabling the device to deliver longer hours of operation.

Toughness in Harsh Conditions TOUGHNESS

▌Environmental Durability including a Drop Resistance 1.5 Meters

The IT-300 has excellent impact-resistance to withstand drops from up to 1.5 meters. It meets dust/water splash-proof specifications to IP54 level (compliant with the IEC60529 standard) and operates at sub-zero temperatures down to -20 °C. The device operates reliably in a variety of industrial environments and is suitable for outdoor and warehouse use.

▌Power-Saving Design to Deliver Longer Operating Hours

The IT-300 is powered by a Lithium-Ion rechargeable battery. It has a low power consumption design and power management features such as wireless standby mode*[1] and quick resume*[2] that enable continuous and seamless operation. Employees can focus on serving customers and other tasks thus maximizing their productivity.

＊1 A wireless LAN standby low-power state for operating only the functions needed to maintain a wireless LAN connection whilst shutting down the display and other devices.
＊2　A　feature for resuming normal operation from power-saving mode in response to a call from a wireless LAN. Since the LAN connection has been maintained, immediate availability of the LAN connection is possible.

A Host of Support Software to Enhance Information Sharing SOFTWARE

▌ Runs Windows® Embedded Handheld 6.5

The Windows *Embedded Handheld 6.5 operating system runs convenient applications for time and attendance management, content delivery, transmission and viewing of information. Windows Embedded Handheld 6.5 supports an advanced, versatile Windows-based development environment that increases application development productivity and contributes to lower development and maintenance costs.

Supports a Wide Range of Client Software

The IT-300 includes Internet Explorer Embedded as the integrated Web browser and offers intuitive one-touch pan & zoom navigation. It supports Flashlight 3.0.1 video playback. The device is also suitable for product information display and includes remote desktop tools to connect with existing business systems.

Excellent Scanning Performance SCANNING

▌ High-Performance Laser Scanner

The integrated scanner can rapidly read barcodes and stacked codes.

▌ Scan Width Control
This feature controls the laser beam width to prevent incorrect reading of adjacent barcodes.

▌ Laser Focus Function
When multiple barcodes are scanned simultaneously, the scanned barcode is briefly highlighted with laser light to visually indicate to the user which barcode was decoded.

▌Vibrator Alert Function
In addition to the LED indicator and buzzer, a vibrator alert is also used to indicate a successful scan. This is useful for noisy environments or where there are several users in the same location.

▌Center Trigger Key
A trigger key in the most useful position allows comfortable one-hand scanning. This trigger key functions as an Enter key during ordinary input and as a Return key during text input.

Real-Time Operation NETWORK

▌ Support for WPA2 Security, Equipped with IEEE802.11b/g

The IT-300 has an integrated IEEE802.11b/g wireless LAN module and supports the WPA2 secure wireless communications protocol. It also supports VoIP software and 802.1x authentication (such as PEAP and EAP-TLS).

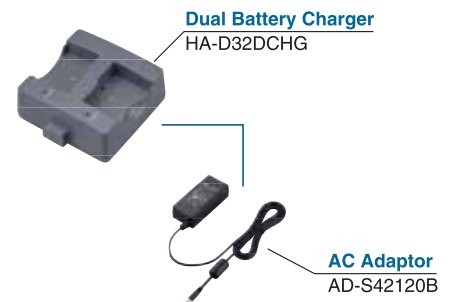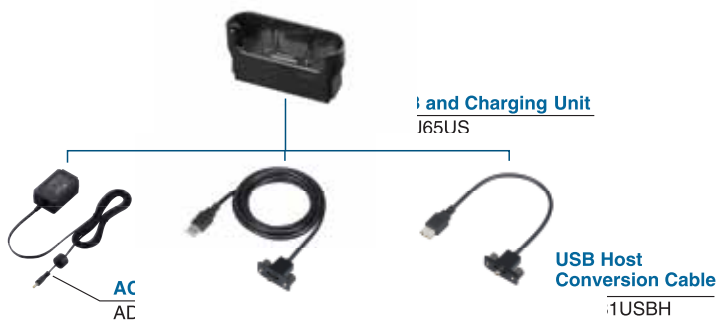## ▌ Equipped with Bluetooth® 2.0 ❖ Bluetooth®

Bluetooth *Ver. 2.0 (Class 2), for wireless connection with mobile printers and other devices, is integrated as a standard feature. Furthermore, the IT-300 terminals come with the Enhanced Data Rate (EDR) function for high-speed communication.

Note: The connected device must also support the EDR function.

▌ Wireless Standby and Quick Resume

IT-300 terminals incorporate features that support efficient wireless LAN operation. These include wireless standby mode for maintaining a low-power wireless connection for fast access to a wireless LAN and quick resume for restoring communication from the terminal to the LAN within a few seconds when it returns from suspend mode.
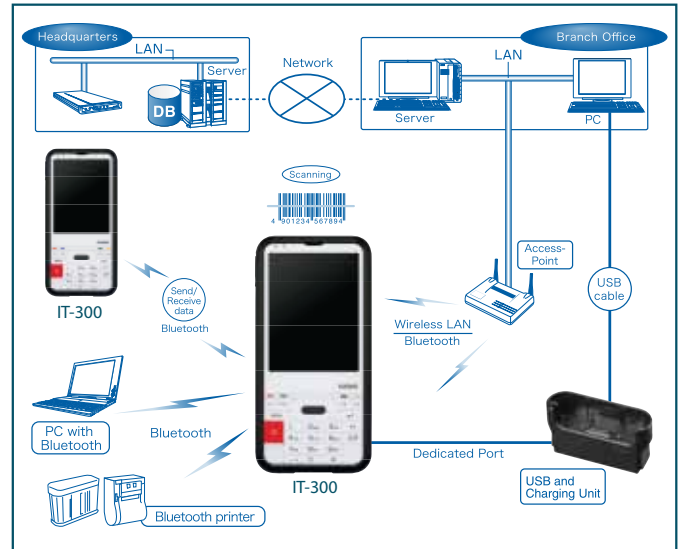
Headset Jack

Indicators1,2

Receiver

Reader Port

Reader Port

Indicators1,2

LCD Panel

Reset Switch

Lock Switches

Power Key

Center Trigger Key

Battery Pack Cover

Microphone

Power Contacts/ Communication Terminals

Keyboard

Battery Pack
HA-D20BAT-A

Dual Battery Charger
HA-D32DCHG

and Charging Unit
J65US

USB Host Conversion Cable
1USBH

AC
AD

AC Adaptor
AD-S42120B

SPECIFICATIONS

CPU	Marvell® PXA320 624MHz
OS	Microsoft® Windows® Embedded Handheld 6.5 English Version
Memory	
RAM	256MB
ROM	256MB (User area: Approx.120MB)
Display	
LCD	9.4cm (3.7 inches) VGA (480x640 dots) Blanview® Color LCD with Touch Panel
Indicator	Indicator 1: Battery charging status Indicator 2: Wireless communication and scanning status
Input	
Keyboard	Numeric (Alphabet) keys, CLR key, execute key, cursor keys, power key, Fn key, F1 to F4 keys, trigger Key
Touch Panel	Yes (Capacitive type)
Scanner	
Type	Semi-conductor laser
Resolution	0.127mm
1D Symbologies	GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, Code128/GS1-128 (UCC/EAN128), Code93, Code39, EAN8, EAN13, UPC-A, UPC-E, Codabar (NW-7), IATA, ITF, MSI, Industrial 2 of 5
Stacked Symbologies	GS1 DataBar Stacked, GS1 DataBar Expanded Stacked
Wireless LAN	
Standard	IEEE 802.11b (Maximum: 11Mbps), IEEE 802.11g (Maximum: 54Mbps)
Security	WPA2 / AES
Interface	
Bluetooth®	Bluetooth® Version 2.0+EDR compatible
Card Slot	microSD Memory Card (SDHC) x 1
USB Port	Version 1.1 (Host/Client)
Audio	Microphone: Built-in (monaural), Speaker: Built-in (monaural)
Power	
Main Power	Lithium-ion battery pack (Operating period: Approx. 10 hours*) *Based on a ratio of "standby:calculation:scan:wireless communication" of 20:1:1:1
Memory Backup	Lithium battery (rechargeable) on board
Durability	
Dust/Splash-proof	IP54 (compliant with IEC60529 standard)
Drop Durability	1.5m
Operating Temperature	-20℃ ～ 50℃
Vibrator	Comes standard
Approx. External Dimensions	76(W) × 155(D) × 19.6(H) mm
Approx. Weight	215g (Including lithium-ion battery pack)
Accessory	USB and Charging Unit (HA-J65US) /Battery Pack (HA-D20BAT-A) / mini USB Cable (HA-J80USBM) / Neck strap

IT-300 Series System Configuration

Headquarters LAN Server Network LAN Branch Office

DB Server PC

Scanning

4 901234 567894

IT-300

Send/ Receive data
Bluetooth

Scanning

Access- Point

Wireless LAN Bluetooth

USB cable

PC with Bluetooth

Bluetooth

IT-300

Dedicated Port

USB and Charging Unit

Bluetooth printer

＊You are recommended to fully check the operability of third party peripherals with IT-300 before you deploy them.

CASIO®

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