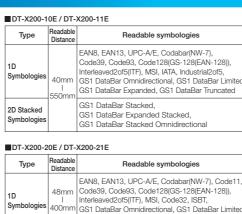


# CASIO

# **High-Level Fusion of Strength and Speed**



- RAM 256 MB ROM 512 MB 6.9 cm (2.7 inches) Blanview® TET Color I CD with Touch Panel LCD isplay 3-color (red, orange, green) LED x 1 , 2-color (orange, blue) LED x 1  $\,$ Indicato Numeric (alphabet) keys, CLR key, execute key, cursor keys, power key, Fn key, F1 to F8 keys, L/R keys Keyboard Trigger Key 3 (at center, left, and right) Touch Panel Yes (Resistive type) 13.56 MH; Frequency Contactless Smart Card ISO 14443 Type A (MIFARE® ), ISO 14443 Type B, Felica® RFID Tag ISO 15693 (I CODE® SLI / TAG-it® / my-d®) Semi-conductor laser light C-MOS imager, C-MOS imager, Semi-conductor Type 832 x 640, monochro laser light 332 x 640, monochr 1D: 0.127 mm 1D: 0.127 mm Stacked: 0.168 mm 0.127 mm Stacked: 0.168 m 0.127 mm 2D Matrix: 0.191 mm 2D Matrix: 0.191 mm 2D Matrix: 0.169 mm Compliant with IEEE802.11a/b/g/n , WPA2 support **Wireless LAN** Bluetooth® Version 2.1+EDR compatible Bluetooth Card Slot microSD Memory Card (SDHC) x 1
- terface USB Port Version 1.1 (Host/Client) Microphone: Built-in (monaural), Speaker: Built-in (monaural) Audio Main Power Large-capacity battery pack (HA-K23XLBAT, 2860 mAh) wer Memory Backup Lithium battery (rechargeable) on board Comes as standard Approx. 66 [57\*] x 187 x 32 [35\*] mm Figures marked with an asterisk \* indicate the grip part. External Di Approx.44 mm (W×D×H) Approx.41 mm (the height of scanner part the height of scanner part Weight (Including Large-capacit lithium-ion battery pack Approx. 290 g (with HA-K23XLBAT) Approx. 295 g (with HA-K23XLBAT) USB and Charging Unit (HA-K65US)/Battery Pack (HA-K23XI BAT)/ USB Cable (DT-380USB-A)/AC Adapter (AD-S15050B)/AC Cord (AC-CORD-EU)



GS1 DataBar Expanded, GS1 DataBar Truncated 43mm PDF417, Micro PDF, Composite, Codabalock F, 2D Stacked GS1 DataBar Stacked Omnidirectional, Symbologies 230mm GS1 DataBar Expanded Stacked, GS1 DataBar Stacked 51mm J s 300mm MicroQR, HanXin 2D Matrix Symbologies 300mr

#### DT V000 41E

C-MOS imager, 1280 x 102

e (wide SXGA), monochro

1D: 0.127 mm 2D Stacked: 0.127 mr

DT-X200-41E		
Туре	Readable Distance	Readable symbologies
1D Symbologies	130mm 1 2500mm	EAN8, EAN13, UPC-A/E, Codabar(NW-7), Code11, Code39, Code93, Code128(GS-128(EAN-128)), Interleaved2of5(ITF), MSI, Code32, ISBT, IATA, GS1 DataBar Omnidirectional, GS1 DataBar Limitec GS1 DataBar Expanded, GS1 DataBar Truncated
2D Stacked Symbologies		PDF417, Micro PDF, Composite, Codabalock F, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, GS1 DataBar Stacke
2D Matrix Symbologies	100mm 1 20000mm	Aztec, DataMatrix, Maxicode, QR Code, MicroQR

\*1 Drop-to-concrete resistance: 6 surfaces, 4 corners, 1 cycle. The value is a test value,not a guaranteed value

\*2 No ingress of dust. No ingress of water even if temporarily immersed in water under defined conditions of pressure when all covers for connectors, etc. are close



We Create [Value]<sup>2</sup> Unit 509, 5/F, Tower II, Cheung Sha Wan Plaza, 833 Cheung Sha Wan Road, Kowloon, Hong Kong Tel: (852) 2784 2868/ (852) 2788 3066 Fax: (852) 2319 2967 Email: sales@milliontech.com Website: www.milliontech.com

Hand Strap

CASIO COMPUTER CO., LTD. Tokyo, Japan



- Unique reinforced structure that delivers rugged performance to withstand drops from up to 3.0 meters
- IP67 water and dust resistant, -20°C to 50 °C operating temperature range
- RAM / 512 MB of flash ROM, and Windows® Embedded Compact 7
- Equipped with IEEE802.11 a/b/g/n standard wireless LAN compatible with WPA2 security and Bluetooth Ver.2.1 (Class 2) as standard.
- C-MOS Imager, and full-range scanner
- Unique power-saving design to deliver long operating time.





#### HANDHELD TERMINAL

# DT-X200

Equipped with a high-performance 806 MHz CPU, generous memory capacity of 256 MB of

Models equipped with a laser scanner with enhanced scanning performance,

## **Exceptional Toughness and Speed**

Introducing the DT-X200 range of handheld terminals, which set a new performance standard born of the fusion of strength and speed.

A body shape optimized by human-centered design and a rugged reinforced structure that can withstand drops from a height of up to 3.0 meters ensure the durability and usability necessary for use in extreme environments. A high-performance CPU greatly increases processing speed.

### TOUGHNESS

#### Built to withstand use in demanding environments

#### Unique Reinforced Structure

Strength has been increased by integrating the LCD, main circuit board, and inner case in a robust, three-layer structure. In addition, the upper and lower cases feature an improved design to provide impact resistance and prevent twisting or misalignment if a device is dropped. These rugged terminals reflect the pursuit of durability right down to the smallest detail. For example, the entire body, battery cover, and other areas are reinforced with a special impact-absorbing elastomer resin.

#### Superb Environmental Durability

The DT-X200 range of terminals are designed to withstand hard use in warehouse and other similar environments. The device can resist drops from heights of up to 3.0 meters\*1 and can be used with confidence even in situations where rough handling is likely. They are compliant with IP67\*2 and can operate even in sub-zero temperatures (down to -20°C). This results in reliable performance in demanding environments. including outdoors in the rain and in dusty warehouses.

- \*1 Drop-to-concrete resistance: 6 surfaces, 4 corners, 1 cycle. The value is a test value, not a guaranteed value. \*2 No ingress of dust. No ingress of water even if temporarily immersed in water under
- defined conditions of pressure when all covers for connectors, etc. are cl

#### Long Operating Time

A unique power-saving design provides extended operation even in applications where a browser connection or other permanent wireless LAN connection is required. A high-capacity battery pack, and effective power management features such as wireless standby mode\* and quick resume, ensure a very long battery life.

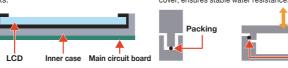
\* A wireless LAN standby low-power state for operating only the functions needed to maintain a wireless LAN connection while shutting down the display and other devices. Environmental testing that assumes use in extreme environments

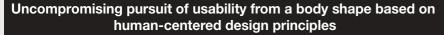


### THE TECHNOLOGY OF TOUGHNESS

#### Three-laver structure

between the protruding and recessed areas where the upper and lower cases fit together. Arrangement of packing material perpendicular to the direction of movement of moving parts, such as the battery cover and USB connector ensures stable water res





#### Key Design for Excellent Operating Performance

The key design allows easy operation even when the user is wearing work gloves. To reduce data entry errors, the keys have been enlarged and responsiveness has been enhanced by widening the key pitch and key stroke. The terminal has an optimized key layout, and the trigger keys, cursor keys, enter key, and other frequently used keys are multifunction keys easily accessible for comfortable one-handed operation.

#### Highly Visible LCD, Even Outdoors

The DT-X200 terminals are equipped with a 2.7-inch color transmissive TFT LCD that features intuitive touch panel operation. This LCD provides excellent visibility indoors and in sunlight.



## SPEED&SCANNING

### Major specification enhancements for high-speed processing, high-speed communications and high-speed reading

#### High-Performance CPU and **Generous Memory Capacity**

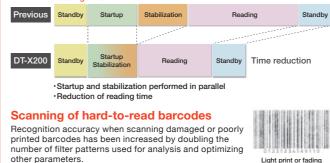
The DT-X200 terminals are equipped with a Marvell® PXA320 (806 MHz) CPU that delivers high-speed processing. They feature a generous 256 MB of RAM and 512 MB of flash ROM. They have all the power necessary to smoothly and efficiently run demanding applications.

#### High-Performance Laser Scanner\*

The laser scanner offers functions that support efficient scanning, including scan width control, laser focus, and vibrator alert. Furthermore, a scanner module improvement has increased processing speed, and improved the scanning of hard-to-read barcodes These high-performance specifications make fast, more accurate scanning possible. \*Equipped models: DT-X200-10E/11E

#### **High-speed reading**

Reading time has been reduced by tuning the device's processing methods to save tenths of a second Reading Time



#### Advanced C-MOS Imager for 1D and 2D Code Reading\*

The DT-X200 terminals support reading of a wide variety of 1D and 2D code symbologies. Use of the latest module and decoder improves performance on hard-to-read barcodes and increases hand jitter tolerance.

\*Equipped models: DT-X200-20E/21E

Scanning of

accuracy in reading

or soiled images.

#### Light print Soiling Blurrina or fading hard-to-read codes Improved module and decoder performance have increased hard-to-read codes, such as = lightly printed, faded, blurred,

Hard-to-read barcode image

#### Increased hand jitter tolerance

Use of a global shutter improves performance in capturing moving objects by a factor of ten or more. The scanner reliably reads images even if jittering occurs.

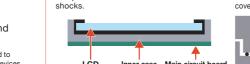


#### Windows<sup>®</sup> Embedded Compact 7 Operating System

The operating system is Windows® Embedded Compact 7. A Windows®-based, highly versatile development environment that increases application development productivity.

**Airtight packing** To prevent water ingress, packing material is inserted

component and increase resistance to





Leading-edge technology that supports the further evolution of durability The area around the LCD is protected by a

rubber cover. In addition, the LCD and main circuit board are securely fixed to the middle case to form an integrated

#### Full-Range Scanner with Maximum Reading Depth of 20 Meters\*1

A built-in full-range scanner with auto focus can read codes\*2 up to 20 meters away. This means that a forklift operator can directly scan barcodes on pallets and shipping cartons from the operator's seat. The scanner is even capable of reading location codes at the top of storage racks from a long distance, enabling the safe performance of product inspections when there is dange from falling objects.

\*1 Equipped model: DT-X200-41E \*2 For two-digit Data Matrix codes with resolution of 20 mm (CASIO measurement environment)



\*Simulation of full-range scanner use

#### Support for RFID Tags and Contactless Smart Cards\*

Some of the DT-X200 models are equipped with a reader/writer that supports the NFC IP2 short-distance wireless communication standard and is capable of recognizing ISO15693-compliant RFID tags (13.56 MHz) and contactless smart cards such as MIFARE®. In addition to supporting a variety of solutions that utilize RFID tags, such as document and parts control systems, these terminals offer enhanced login security using contactless smart card authentication



\*Equipped models: DT-X200-11E/21E/41E

#### Enhanced Wireless LAN Function

The DT-X200 terminals have an integrated wireless LAN module that complies with IEEE802.11b/g standards in the 2.4 GHZ band, the IEEE802.11a standard for communication in the 5 GHz band, and the IEEE802.11n standard for higher speed communications. This feature allows efficient real-time operation

#### Wireless LAN Operation Standby and Quick Resume

The DT-X200 terminals are equipped with functions that support efficient wireless LAN operation. They include a wireless standby mode for maintaining a low-power wireless connection for fast access to a wireless LAN and a quick resume feature for restoring communication from the terminal to the LAN within a few seconds when it returns from suspend mode

#### Equipped with Bluetooth<sup>®</sup> 2.1

Bluetooth® Ver. 2.1 (Class 2), for wireless connection with mobile printers and other devices, is integrated as a standard feature. Furthermore, the DT-X200 terminals come with the Enhanced Data Rate\* (EDR) function for high-speed communication

Note: The connected device must also support the EDR function

#### A range of useful features for smooth, efficient management and operation

#### Equipped Tools to Support Wireless Environment Construction

Dedicated tools that support wireless environment construction are available, including an installation assistance function that automatically performs terminal settings, configuring parameter settings in accordance with the access point or wireless connection environment, and automatically configures the IP address and other wireless settings