CASIO DT-X200

Extreme!

Compact Handheld Device for Tough Work Conditions

CASIO®

Compact and Extremely Robust

Lightweight handheld with exceptional reading performance

The Device at a Glance:

- Lightweight and easy to handle: 285 g
- Robust: IP67 protection class and 3 m drop resistance
- Ergonomic: Non-slip housing with three conveniently placed scanning buttons
- Exceptional reading performance: High-speed laser scanner, 2D or All-Range imager
- RFID/NFC functionality optional
- WLAN IEEE 802.11 a/b/g/n and Bluetooth™ 2.1
- Microsoft® Windows® Embedded Compact 7

Lightweight, Non-slip and Robust

The CASIO DT-X200 has been ergonomically designed and is extremely resistant to external influences. Its lightweight housing is manufactured from durable plastic and can withstand drops onto concrete from a height of 3 m. The device also offers optimum protection against dust and water according to the IP67 protection class and is fully functional at temperatures between –20°C and +50°C. Come rain or shine – or even at extremely cold temperatures – the CASIO DT-X200 has the ideal features to prove its worth in the long-term when used in tough working conditions. The balanced design and the non-slip surface on the bottom of the device allow it to be operated easily and effortlessly.

Integrated RFID/NFC Functionality

When it comes to contactless smart cards and Near Field Communication (NFC) or RFID transponders, this device supports the established protocols and standards (13,56 MHz).

High-speed Scanner or CMOS Imager

It depends on the application whether a laser scanner for barcodes or an imager for common 2D codes is required. Both reading modules are extremely high-performance. They can read multiple codes – even damaged ones – simultaneously at lightning speed. Good or bad reads are confirmed optically, acoustically and with vibration. This is useful in a noisy environment. Thanks to the increased range, the imager model and the All-Range model have a clear laser aiming point. The scanner and imager model have a downwards angled head in order to make it even easier to operate the device. By angling the scanner in this way, the device is more comfortable to hold. It allows the user to see the display during the scanning process. Three trigger buttons minimise the amount of finger movement.

Scratch-resistant Touch Screen on Impact-resistant Display

Whether used for softkey operation, signature capture or submitted to accidental knocks, the Blanview® LCD is around ten times more robust than a normal display.

Ideal for Industrial Applications

The CASIO DT-X200 is equipped with a Marvell® PXA 320 processor (806 MHz) and plenty of memory. The operating system of the unit is Microsoft® Windows® Embedded Compact 7. It is extremely easy to integrate the mobile devices into existing applications and standard solutions. The combination of powerful hardware and a proven operating system means that the device represents a secure investment over many years and is suitable for a great number of demanding applications. Bluetooth™ (2.1) and WLAN (IEEE 802.11 a/b/g/n) are integrated for fast data communication. Contacts on the bottom of the housing can be used to connect to charging and docking stations (USB, Ethernet).

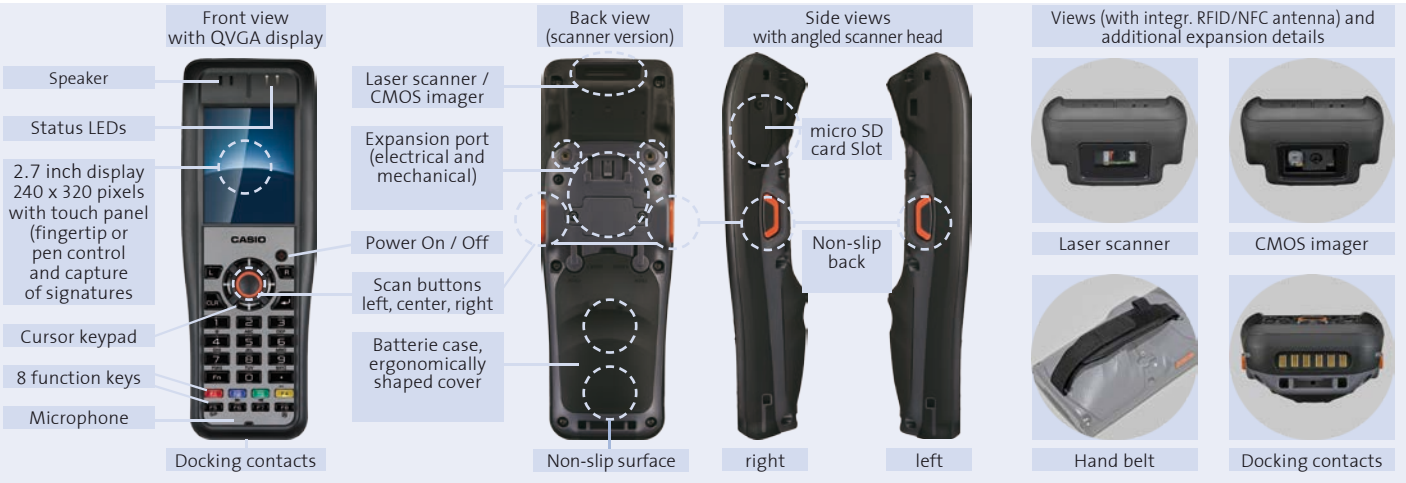
The Best Choice for Every Task

Thanks to a selection of five models, the most economical type of the DT-X200 series can be used for each specific task without compromises. The table on the next page indicates which models are equipped with a scanner, imager, All-Range imager and/or RFID/NFC functionality. All devices are supplied in a bundle including all the accessories required for immediate use.

The Ideal Handheld Device for Industry, Logistics and Retail

In conjunction with the robust and ergonomic design, the exceptional reading quality of the CASIO DT-X200 sets new standards and represents a benchmark for user acceptance and a high level of investment security.

Details, Options and Accessories



USB-/ Ethernet cradle (charging function)
HA-K62IO

USB cradle (charging function)
HA-K60IO

Communication- and charging adapter
HA-K65US

Battery 2,860 mAh
HA-K23XLBAT

AC adaptor
240 V / 19 V, 4.7 A
AD-S90190C-N5
240 V / 12 V, 3.5 A
AD-S42120C-N5
240 V / 5 V, 3.0 A
AD-S15050B-N5

Screen protect sheet, 5 pices
HA-K90PS5

Dual battery charger
HA-F32DCHG

Hand belt
HA-K95HB

Dual charging cradle
HA-K36DCHE

Model Overview:	DT-X200-10E	DT-X200-11E	DT-X200-20E	DT-X200-21E	DT-X200-41E
Laser Scanner	•	•			
CMOS Imager			•	•	
All-Range Imager					•
RFID / NFC Functionality		•		•	•
WLAN	•	•	•	•	•

Specifications:		DT-X200-10E	DT-X200-11E	DT-X200-20E	DT-X200-21E	DT-X200-41E
Model Name		CASIO DT-X200 series				
CPU		Marvell® PXA320, 806 MHz				
Operating System		Microsoft® Windows® Embedded Compact 7 (english version)				
Memory	RAM	256 MB				
	ROM	512 MB				
Display	Size	2.7 inch (69 mm) diagonal				
	Resolution	240 x 320 pixels, QVGA, 65,536 colours				
	Technology	Blanview® TFT colour LCD with LED backlight and touch panel				
	2 LED Indicators	1: Battery charging status (red, orange, green) 2: Communication/ scan/ application status				
Input	Keyboard	10 numeric keys with phone keypad characters, 8 function keys (4 colored), Enter key, Cursor keypad, CLR key, L key, R key (all backlit), On-/Off key				
	Scan Trigger	3 large scan release buttons (center, left and right)				
	Touch-screen	Industrial touch panel (scratch-resistant) with resistive touch				
Wireless Communication	WLAN	IEEE 802.11 a/b/g/n (max. 65 Mbit/s), security standard and encryption WPA2/AES				
	Bluetooth™	Version 2.1 + EDR (max. 2,169.6 kbit/s date rate), backward compatible to version 2.0 and 1.2				
Interfaces	Memory Card Slot	compatible with microSD memory cards (SDHC)				
	Expansion Port	Electrical and mechanical connection for external hardware modules				
	USB Contacts	Version 1.1 (Host / Client), USB connection only with docking station or adapter				
Audio		Built-in microphone (mono) and speaker for signals and alarms etc.				
Vibrating Signal		Confirms successfully decoded ident codes				
Optoelektronic Ident Code Reader	Model	Laser Scanner		Imager		All-Range
	Type	Laser diode, scan rate approx. 100/s		CMOS imager, 832 x 640 px		CMOS, 1280 x 1024 px
	Resolution	Barcodes: 0.127 mm Stacked: 0.127 mm		Barcodes: 0.15 mm Stacked: 0.168 mm Matrix: 0.25 mm		Barcodes: 0.127 mm Stacked: 0.127 mm Matrix: 0.169 mm
	Reading Distance	Approx. 40 to 550 mm		From a distance of a few millimeters to several meters, depending on size and print quality of the ident code		
	Aimer	–		Laser beam 650 +10/-5 nm, 1 mW or less		
	Readable 1D Symbologies	EAN-8, EAN-13, UPC-A, UPC-E, ITF 2/5-Interleaved, Codabar (NW-7), Code32, Code39, Code93, Code128, GS1-128 (UCC/EAN128), MSI, ISBT, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded and 2/5-Industrial (only laser scanner version)				
	Readable 2D Stacked-Codes (stacked 1D-Codes)	GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked		GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, PDF417, Micro PDF, Composite, Codablock F		
	Readable 2D Matrix-Codes	–		DataMatrix, Maxicode, QR-Code, Aztec-Code, Micro QR		
Contactless SmartCard-Reader/Writer Electromagnetic Ident Code Reader	Technology (Frequency 13,56 MHz)	–	NFC interface, Protocol-2, (ISO 21481)	–	NFC interface, Protocol-2, (ISO 21481)	
	NFC Standards	–	ISO 14443 type A/B, Mifare®, FeliCa®	–	ISO 14443 type A/B, Mifare®, FeliCa®	
	RFID Standards	–	ISO 15693, I-CODE, SLI®, Tag-It®, my-d®	–	ISO 15693, I-CODE, SLI®, Tag-It®, my-d®	
Power	Operation	3.7 V lithium-ion battery pack, 2,860 mAh (for approx. 20 to 25 hours operating time)				
	Memory Backup	Integrated lithium-ion battery				
Environment	Drop Durability	Drop height: 3.0 m onto concrete				
	Dust / Water Durability	IP67 protection class, IEC 60529 compatible (dust-proof and water-resistant against temporary submersion)				
	Operating Environment	Temperature range –20 to +50 °C, relative humidity 10 to 90 % (no condensation)				
Dimensions (W x H x D)		66 x 187 x 33 mm (basic device size), depth at scanner 42 mm, All-Range approx. 45 mm				
Weight		Approx. 285 g (with battery)				

CASIO Europe GmbH - Mobile Industrial Solutions
Casio-Platz 1 - D-22848 Norderstedt - Tel.: +49 40 52 86 54 07
eMail: solutions@casio.de - www.casio-solutions.com