

# CASIO DT-X11



Versatile, ergonomic data scanning terminal ideal for transport & logistics and warehousing requirements



# CASIO DT-X11

## Rugged, wireless terminal for future proof communications

- Versatile data capture options with **laser scanner or C-MOS imager** for scanning 1D/2D symbologies and image capture
- **Large 3.5-inch 2-way TFT colour LCD touch-screen** for ease of use in all light conditions
- **Tough and rugged** for use in challenging environments, with IP64 dust and water resistance and resistant to drops of up to 1.2 metres
- **Versatile connectivity options** with built-in Bluetooth®, optional WLAN and expansion through A PCMCIA card slot allowing GPRS, RFID and other adaptor cards
- Easy application development with **Windows CE 5.0 operating system**
- **Device specific terminal emulation**, ideal for warehousing requirements

### Scan 2D and 1D bar codes and capture images

With the ability to scan either standard bar codes (DT-X11M10E/10RC), or 1D/2D barcodes and capture 640 x 480 pixel images (DT-X11M30E/30RC), the DT-X11 series has the flexibility to meet your data capture business needs. For proof of delivery the DT-X11 allows the customer to sign for goods on the screen and with the C-MOS imager version, an electronic image of a signature or parcel can also be recorded. This allows you to improve your customer service levels as well as save time and money by being able to retrieve electronic evidence of customer deliveries.



## Versatile wireless communications options



To cope with the increasing demands of wireless communications, the DT-X11 series is versatile and expandable, allowing you to include the communications options you need and not have to pay for the ones you don't.

Standard Bluetooth™ and infrared connections provide easy wireless connectivity to a range of devices such as mobile printers, GPS devices, mobile phones and access points. WLAN is standard on the DT-X11M10RC/ M30RC models.

Capable of being integrated with the latest high speed networks including GPRS via a PCMCIA slot (DTX11M10E/ M30E models), the DT-X11 has the flexibility to meet your requirements now and into the future. For additional communication requirements, an optional CF card extension unit can be attached to the back of the unit, giving the DT-X11 truly powerful and flexible communications options.

## Tough, rugged construction for harsh handling

Designed for use in tough environments, where drops and bangs are inevitable, the DT-X11 series is IP64 rated for dust and water resistance and has been drop tested from 1.2 metres to concrete. It features a plastic touch screen, instead of the usual glass touch screen, making it highly durable and resistant to breakages.

The DT-X11 is also suitable for use in environments with temperatures from  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  (DT-X11M30E/ M30RC models), making it suitable for industrial freezers and food processing environments.



## Large bright colour TFT screen for easy use indoors or outdoors

The DT-X11 series has been designed with the end users' comfort in mind. Its large, 3.5 inch (240 x 320 dots) 2-way TFT colour LCD touch-screen makes use of CASIO proprietary technology to effectively reflect light when used in bright, outdoor conditions making it easy to view the screen indoors or outdoors. Its lightweight, ergonomic design makes it comfortable to operate all day.



## Microsoft® Windows® CE 5.0 operating system

The DT-X11 uses Microsoft® Windows® CE 5.0 as its operating system. This is an open, scalable and 32-bit operating system that makes reliable, real time communications with advanced Windows technologies possible. Windows® CE allows you to build a wide range of innovative and flexible applications and solutions.



## Supports Naurtech terminal emulation for warehouse applications

A powerful and versatile terminal emulation package from Naurtech Corporation is available in a specially tailored version for the DT-X11. This solution allows users to quickly and easily set up the device to interact with the most common legacy host systems in use in the enterprise today. The product also features a programmable web browser client in which you can implement direct control of features such as the barcode scanner and infrared printing. Naurtech's CETerm is available for DT-X11M30RC/DT-X11M10RC.



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# DT-X11 - General Information



Model	Laser scanner	C-MOS Imager	Bluetooth	WLAN
DT-X11M10E	Yes	No	Yes	No
DT-X11M10RC	Yes	No	Yes	Yes
DT-X11M30E	No	Yes	Yes	No
DT-X11M30RC	No	Yes	Yes	Yes

# DT-X11 - Specifications

<b>CPU</b>	Intel® PXA255 Application Processor (Max. 400MHz)
<b>OS</b>	Microsoft® Windows® CE 5.0 English Version
<b>Memory</b>	
<b>RAM</b>	64MB
<b>F-ROM</b>	192MB (user area : approx. 115MB)
<b>Display</b>	
<b>Type</b>	3.5-inch 2-way TFT colour LCD
<b>Resolution</b>	240 x 320 dots
<b>Backlight</b>	LED
<b>Indicator</b>	2-colour LED x 2 (Left: programmable Right: battery charge status)
<b>Input</b>	
<b>Keyboard</b>	Numeric (Alphabet) keys, CLR key, Execute key, Cursor keys, Power ON/OFF key, Fn key, F1(BS)key, F2(-), F3(.) key, F4(Alpha) key, Program key
<b>Trigger</b>	Right, Left sides
<b>Touch panel</b>	Plastic panel (resolution 240 x 320 dots) with character input pad
<b>Laser scanner (DT-X11M10E/ 10RC)</b>	
<b>Type</b>	Semi-conductor laser light
<b>Number of scans</b>	100+/-20 per second
<b>Resolution</b>	0.127mm
<b>Readable distance</b>	4 to 30 cm
<b>Readable 1D symbologies</b>	EAN, UPCA/E, NW7/Codabar, ITF, Code39, Code93, Code128/EAN128, MSI/Plessey, IATA, Industrial2of5, RSS-14, RSS Limited, RSS Expanded
<b>C-MOS Imager (DT-X11M30E/ 30RC)</b>	
<b>Type</b>	1/4-inch C-MOS Imager (Redirected downward at 45 degree)
<b>Resolution</b>	0.15mm (1D symbologies), 0.169mm (Stacked 2D symbologies).
<b>Readable distance</b>	40 to 410mm (1D symbologies) 50 to 250mm (Stacked 2D symbologies)
<b>Readable 1D symbologies</b>	EAN, UPCA/E, NW7/Codabar, ITF, Code11, Code39, Code93, Code128/EAN128, MSI/Plessey, IATA, RSS-14, RSS Limited, RSS Expanded, ISBT
<b>Readable 2D symbologies</b>	PDF417, Micro PDF, Code49, Composite, Codablock F, RSS(Stacked), TLC39, Aztec, DataMatrix, Maxicode, QR Code
<b>Image capturing</b>	Max. 640 x 480 pixels, 2 or 256 gray scales, BMP or JPEG

<b>Interface</b>	
<b>Bluetooth™</b>	Bluetooth Version 1.2 compatible
<b>Infrared</b>	IrDA 1.1 compatible (Maximum : 4 Mbps, up to 30cm)
<b>Serial</b>	USB (client mode)
<b>CF card</b>	CF Card Extension Unit required (optional)
<b>Audio</b>	Earphone output (monaural), Microphone input
	<b>DT-X11M10E/M30E</b> DT-X11M10RC/M30RC
<b>Wireless LAN</b>	No IEEE802.11b Max. 11 Mbps
<b>PC card slot</b>	PC Card Type II x 1 slot No
<b>WLAN security</b>	WEP, TKIP, 802.1x (PEAP-EAP, MS-CHAP-V2, EAP-TLS)
<b>Power</b>	
<b>Operation</b>	Lithium-ion battery pack (HA-A20BAT or DT-5025LBAT)
<b>Battery capacity</b>	HA-A20BAT 1,700mAh DT-5025LBAT 3,400mAh
<b>Memory backup</b>	Lithium battery (rechargeable) on board
<b>Environment</b>	
	<b>DT-X11M10E/M10RC</b> <b>DT-X11M30E/M30RC</b>
<b>Operating temp.</b>	-10°C to +50°C -20°C to +50°C
<b>Operating humidity</b>	10% to 80%RH (no condensation)
<b>Dust/ water proof</b>	IP64 level (compliant with IEC60529)
<b>Drop durability</b>	From 1.2 metres in height onto concrete
<b>Dimensions and weight</b>	
<b>Dimensions</b>	Approx. 220 (D) x 77 (W) x 47 (H) mm
<b>Weight</b>	DT-X11M10E - Approx. 360g DT-X11M10RC - Approx. 410g DT-X11M30E - Approx. 350g DT-X11M30RC - Approx. 400g
<b>Application dev. tool</b>	eMbedded Visual C++ + 4.0 (w/ service pack 4), Visual Studio 2003, Visual Studio 2005
<b>Compliance</b>	
<b>Safety</b>	EN60950, UL1950
<b>EMI, EMC</b>	EN55022/EN55024, FCC Part 15B
<b>Bluetooth type</b>	EN300328/EN301489, FCC Part 15C, Bluetooth logo certification
<b>WLAN type approval</b>	EN300328/EN301489, FCC Part 15C and SAR
<b>Laser</b>	EN60825

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 2. Bluetooth is a trademark owned by Bluetooth SIG, Inc. USA and has been used in accordance with a license acquired by CASIO.  
 3. Specifications in the table above are current as of May 2006 and may change without any advance notice.