CASIO®

DT-X11

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

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CASIO®

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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.

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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°C to +50°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.
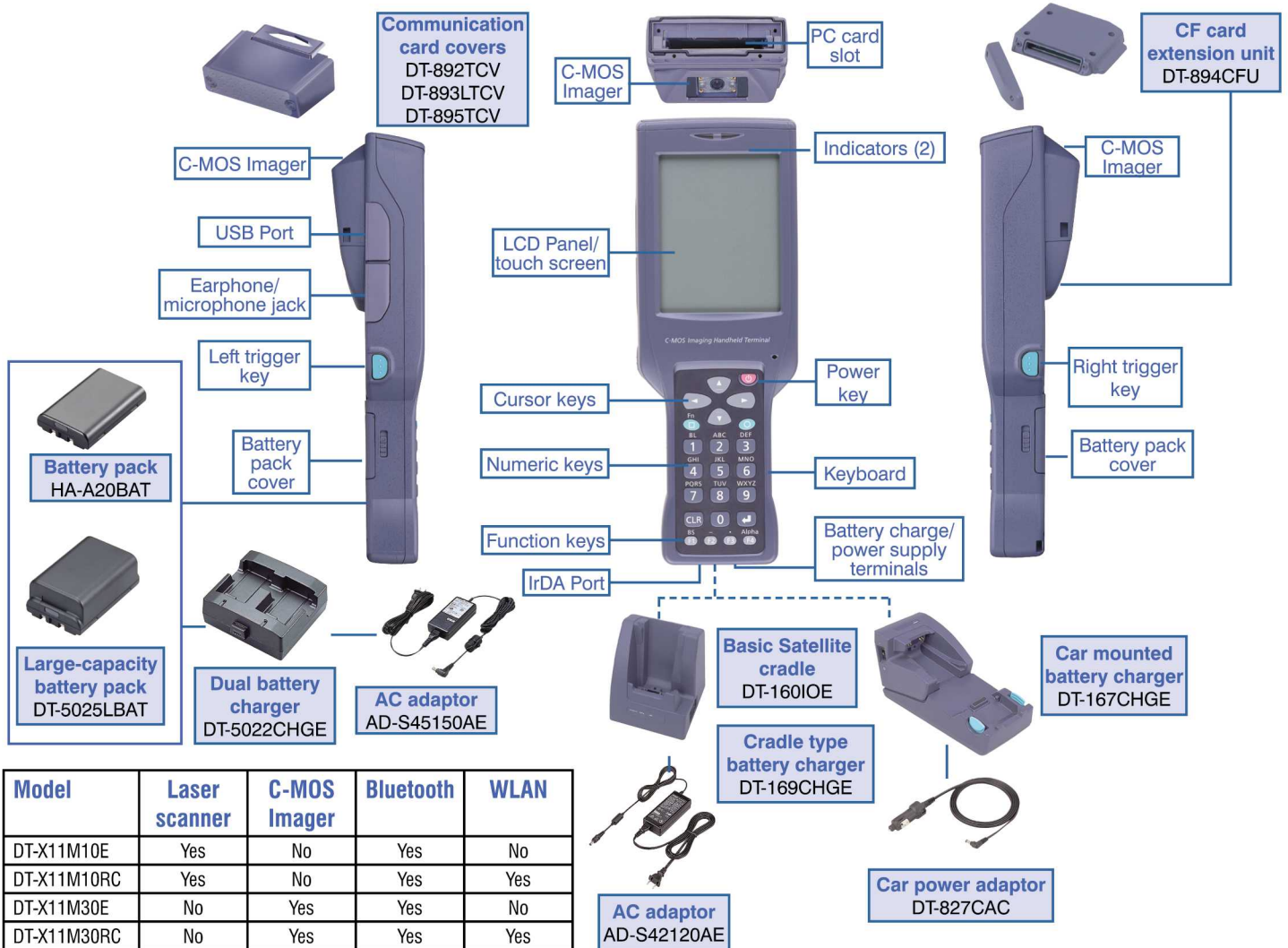
Supports Naurtech terminal emulation for warehouse applications

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.

DT-X11 - General Information

Communication card covers
DT-892TCV
DT-893LTCV
DT-895TCV

C-MOS Imager

PC card slot

CF card extension unit
DT-894CFU

C-MOS Imager

C-MOS Imager

USB Port

Indicators (2)

Earphone/microphone jack

LCD Panel/touch screen

Left trigger key

Power key

Right trigger key

Battery pack cover

Cursor keys

Numeric keys

Keyboard

Battery pack cover

Battery pack
HA-A20BAT

Function keys

Battery charge/power supply terminals

IrDA Port

Large-capacity battery pack
DT-5025LBAT

Dual battery charger
DT-5022CHGE

AC adaptor
AD-S45150AE

Basic Satellite cradle
DT-160IOE

Car mounted battery charger
DT-167CHGE

Cradle type battery charger
DT-169CHGE

AC adaptor
AD-S42120AE

Car power adaptor
DT-827CAC

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

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

Interface
  Bluetooth™ Bluetooth Version 1.2 compatible
  Infrared IrDA 1.1 compatible (Maximum : 4 Mbps, up to 30cm)
  Serial USB (client mode)
  CF card CF Card Extension Unit required (optional)
  Audio Earphone output (monaural), Microphone input

	DT-X11M10E/M30E	DT-X11M10RC/M30RC
Wireless LAN	No	IEEE802.11b Max. 11 Mbps
PC card slot	PC Card Type II x 1 slot	No

WLAN security WEP, TKIP, 802.1x (PEAP-EAP, MS-CHAP-V2, EAP-TLS)
Power
  Operation Lithium-ion battery pack (HA-A20BAT or DT-5025LBAT)
  Battery capacity HA-A20BAT   1,700mAH   DT-5025LBAT   3,400mAH
  Memory backup Lithium battery (rechargeable) on board
Environment

	DT-X11M10E/M10RC	DT-X11M30E/M30RC
Operating temp.	-10⁰C to +50⁰C	-20⁰C to +50⁰C
Operating humidity	10% to 80%RH (no condensation)	
Dust/ water proof	IP64 level (compliant with IEC60529)	
Drop durability	From 1.2 metres in height onto concrete	

Dimensions and weight
  Dimensions Approx. 220 (D) x 77 (W) x 47 (H) mm
  Weight DT-X11M10E - Approx. 360g   DT-X11M10RC - Approx. 410g
  DT-X11M30E - Approx. 350g   DT-X11M30RC - Approx. 400g
Application dev. tool eMbedded Visual C++ 4.0 (w/ service pack 4), Visual Studio 2003, Visual Studio 2005
Compliance
  Safety EN60950, UL1950
  EMI, EMC EN55022/EN55024, FCC Part 15B
  Bluetooth type EN300328/EN301489, FCC Part 15C, Bluetooth logo certification
  WLAN type approval EN300328/EN301489, FCC Part 15C and SAR
  Laser EN60825

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Bluetooth®

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