

## **Casio Releases Compact, Highly Rugged Handheld Terminal that will Bridge Sectors with Durability and Adaptability**

*Withstands 3.0-Metre Drops, IP67 Dust/Splash-Proof*

LONDON, December 2010 — Casio Electronics Co. Ltd., announced that it plans to release the DT-X8 series of industrial handheld terminals from the end of February 2011. Both models in the DT-X8 series have been designed for increased toughness and durability. They can withstand a 3.0 metre drop and are resistant to dust and rain, making them perfect for a host of applications in many different sectors - from demanding in-store environments, to the logistics and transportation industry, including work in high places in warehouses and outdoors.



The DT-X8 models are equipped with elastomer protection around the outer case, including the edges surrounding the LCD and the battery cover that are vulnerable to shock if dropped. With this shock-resistant design, the terminal is tough enough to withstand a drop up to 3.0 metres. The screen of the DT-X8 models has a plastic touch panel over the LCD, improving the device's durability. The DT-X8 is compliant with IP67 dust/splash-proof standards and can be operated in temperatures as low as -20°C. Accordingly, the DT-X8 can operate with confidence in harsh conditions including dusty areas, all weather situations and low-temperature warehouses.

Developed using ISO 13407 human-centred design processes, the DT-X8 models are easy to hold and operate. The shape and feel of the keys are improved to facilitate error-free data entry - even when wearing gloves, and key backlights are added to enable use in darker environments or at night. Scanning operation is easy with three scanner trigger keys, one in the centre and another on each side of the terminal.

With a Blanview<sup>®</sup> LCD, the DT-X8 models feature a clear colour display that is highly visible both indoors and outdoors and boasts low power consumption. The product includes an array of features for application in all industry sectors including IEEE 802.11b/g standard wireless LAN compatible with WPA2 security standards and Bluetooth<sup>®</sup> Version 2.0 (Class 2). In terms of scanning, the DT-X8-10E can scan 1D symbologies, while the DT-X8-20E can scan both 1D and 2D symbologies, providing users with options that meet their specific requirements.

## Main Features of the DT-X8

- Excellent durability: IP67 dust/splash-proof, withstands 3.0-metre drops and operates at subfreezing temperatures down to -20°C
- Designed in accordance with ISO 13407 human-centred design processes to realise easy operation
- 5.9-cm (2.7-inch) Blanview® LCD realises both high visibility indoors and outdoors as well as low power consumption
- Equipped with IEEE 802.11b/g standard wireless LAN compatible with WPA2 security standards
- Equipped with Bluetooth® Version 2.0 (Class 2) to enable connection to mobile printers and mobile phones
- Loaded with a file system for protecting the data from being lost when the battery runs out
- Fitted with a slot for microSD and microSDHC cards to enable larger storage capacity

Model	Drop Durability	Dust/Splash-Proof	Scanner Type	Release
DT-X8-10E	3.0m	IP67	Semi-conductor laser	End of February 2011
DT-X8-20E			C-MOS imager	

## DT-X8 Series Specifications

Model		DT-X8-10E	DT-X8-20E
CPU		Marvell® PXA320 624MHz	
OS		Microsoft® Windows® Embedded CE 6.0 R3 English Version	
Durability	Drop Durability	3.0m	
	Dust/Splash-Proof	IP67 (compliant with IEC60529 standard)	
	Operating Temperature	-20°C – 50°C	
Memory	RAM	128MB	
	ROM	256MB (User area: Approx.160MB)	
Display	LCD	Blanview® TFT Colour LCD with Touch Panel 5.9cm (2.7 inches) QVGA (240x320 dots)	
	Indicator	Indicator 1: Battery charging status Indicator 2: Scanning and wireless communication status	
Input	Keyboard	Numeric (Alphabet) keys, CLR key, execute key, cursor keys, power key, Fn key, F1 to F8 keys, L/R keys	
	Trigger Key	3 (at center, left, and right)	
	Touch Panel	Yes (Resistive type)	
Scanner	Type	Semi-conductor laser	C-MOS imager
	Resolution	0.127mm	1D: 0.15mm Stacked: 0.169mm Matrix: 0.25mm
	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, MSI, Interleaved 2of5 (ITF), Industrial 2 of 5	GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, Code128/GS1-128 (UCC/EAN128), Code93, Code39, Code32, Code11, EAN8, EAN13, UPC-A, UPC-E, Codabar (NW-7), IATA, MSI, Interleaved 2 of 5 (ITF)
	Stacked Symbologies	GS1 DataBar Stacked, GS1 DataBar Expanded Stacked	GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, Code49, PDF417, Micro PDF, Composite, Codablock F, TLC39
	Matrix Symbologies	—	Aztec, DataMatrix, Maxicode, QR Code, microQR

<b>Wireless LAN</b>	<b>Standard</b>	IEEE802.11b (Maximum: 11Mbps), IEEE802.11g (Maximum: 54Mbps)	
	<b>Security</b>	WPA2 / AES	
<b>Interface</b>	<b>Bluetooth®</b>	Bluetooth® Version 2.0+EDR compatible	
	<b>Card Slot</b>	MicroSD Memory Card (SDHC) x 1	
	<b>USB Port</b>	Version 1.1 (Host/Client)	
	<b>Audio</b>	Microphone: Built-in (monaural), Speaker: Built-in (monaural)	
<b>Power</b>	<b>Main Power</b>	Large-capacity lithium-ion battery pack (Operating period: Approx. 20 hours*)	Large-capacity lithium-ion battery pack (Operating period: Approx. 18 hours*)
		*Based on a ratio of "standby:calculation:scan:wireless communication" of 20:1:1:1	
	<b>Memory Backup</b>	Lithium battery (rechargeable) on board	
<b>Vibrator</b>		Comes standard	
<b>External Dimensions (WxDxH)</b>		Approx. 65.7 [57.4*] x 187.0 x 32.4 [35.0*] mm * The figure indicates the grip part.	
<b>Weight</b>		Approx. 282g (Including Large-capacity lithium-ion battery pack)	

Note:

1. Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.
2. The BLUETOOTH registered trademark is owned by Bluetooth SIG, Inc., U.S.A., and licensed to CASIO Computer Co., Ltd.
3. Other company and product names are generally registered trademarks or trademarks of the respective companies.
4. Specifications in the table above are current as of December 2010, and may be changed without prior notice.