

## The Compact, Robust, Fully-featured PDA Built to survive with the power to deliver



- C-MOS imager scanning technologies (also available without scanner but with SDIO slot)
- High-density case design delivers maximum toughness in harsh conditions.
- Casio VGA color LCD with touch panel provides a vibrant image along with low power consumption and amazing impact protection.
- Windows Mobile® 6.5 OS for industry standard compatibility with development tools and enterprise infrastructures.
- Integrated contactless smart card reader/writer with NFC technology.
- 2.0 megapixel color digital camera with autofocus and flash.

## GENERAL GUIDE / OPTIONS



## SPECIFICATIONS

CPU	Marvell Xscale Processor PXA320 624MHz (maximum)	Digital camera	2.0 megapixel autofocus color camera with LED flash
OS	Microsoft Windows Mobile 6.5 English Version	Interface	
Memory		Micro SD	Compatible with SDHC
RAM	128MB	SDIO	For SDIO or SD memory card (model dependent)
FROM	256MB (User area approx. 150MB)	Extended port	For connecting an external device
Display		USB port	Version 1.1 (Host/Client)
Type	9.4 cm (3.7 inches) VGA Color LCD with Touch Panel Casio's original LCD (Blanview)	Speaker	Built-in (monaural) as standard for warning sound etc.
Resolution	480 x 640 dots, 65,536 colors	Microphone/Receiver	Built-in (monaural) as standard for voice sound
Backlight	LED	Vibrator	Comes as standard for confirmation of bar code scans
Indicators	Indicator 1; battery charging status, Indicator 2; communication status	Power	
Input		Operation	Lithium-ion battery pack (HA-D20BAT), Large-capacity
Keyboard	Numeric (Alphabet) keys, CLR key, Center key, L and R trigger keys, Up/Down key (model dependent), Cursor key, Power key, Fn key, F1 to F4 keys, Font key, Enter key	Capacity	HA-D20BAT 6.84 Wh (3.7V/1,850 mAh) HA-D21LBAT 13.69 Wh (3.7V/3,700 mAh)
Wireless Interface		Memory Backup	Lithium battery (rechargeable) on board
Bluetooth	Bluetooth Version 2.0+EDR compatible	Backup Period	RAM: Approx. 10 minutes, Built-in Clock: Approx. 72 hours
Infrared	IrDA 1.3 compatible (Maximum: 4 Mbps)	Environment	
Contactless Smart Card Reader/Writer	13.56MHz Compatible with ISO14443 Types A/B and FeliCa technology <sup>1</sup>	Operating Temperature	-20°C to +50°C
CMOS Imager		Operating Humidity	10% to 90%RH (no condensation)
Type	CMOS imager, 752 x 480 (wide VGA), monochrome	Dust/Water Splash Proof	IP54 level (compliant with IEC60529 standard)
Aimer	Laser 650+10/-5nm, 1mW or less	Drop Durability	1.5 m in height onto concrete floor <sup>2</sup>
Resolution	1D: 0.15 mm, 2D Stacked: 0.169 mm, 2D Matrix: 0.25 mm	Dimensions and Weight	
Readable Symbolologies	1D: EAN8, EAN13, UPC-A/E, Codabar(NW-7), CODE11, CODE32, CODE39, CODE93, CODE128/GS1-128(UCC/EAN128), ITF, MSI, IATA, ISBT, Industrial 2of5, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded 2D Stacked: PDF417, Micro PDF, CODE49, Composite, Codablock F, TLC39, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked 2D Matrix: Aztec, DataMatrix, Maxicode, QR Code, Micro QR	Dimensions	Approximately 78 x 159 x 25 <sup>3</sup> mm
		Weight	Approximately 265g (model dependent) including HA-
		Application Development Tool	Visual Studio 2005, Visual Studio 2008, CASIO SDK
		Compliance	
		Safety	EN60950-1, UL60950-1
		EMC	EN301489-17 V1.2.1, EN301489, CFR47 Part15 Subpart B
		Bluetooth Type Approval	EN300328/EN301489-17, CFR47 Part 15 Subpart C Bluetooth logo certification
		Contactless Smart Card Reader/Writer	EN300330, CFR47 Part15 Subpart C 15.225
		Laser/LED	IEC60825-1, CFR Title 21 Subpart 1000

\*1; Contactless smart card technology developed by Sony Corporation.

\*2; The drop durability height is a measured value resulting from actual testing. It does not necessarily guarantee the product from damage.

\*3; The height does not include the protruding parts.

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