DATALOGIC Jet™

The Professional PDA

DATALOGIC
Your Life. Our Enthusiasm™

NEW VERSION 5

General Description

The Datalogic JET™, the powerful Datalogic PDA, has been enhanced with state-of-the-art architecture and the most advanced technologies providing improved functionality and the most suitable power levels for capturing, computing and communicating data faster and easier.

In addition to the highest robustness and reliability in its class, other key features of the Datalogic JET™ include fully integrated automatic data capture (bar codes, RFID tags and images) and superior wireless communication capabilities (WLAN, WWAN and WPAN). The PDA is provided with a function-based keyboard for direct ERP transactions with a web-based layout for HTML needs. These key requirements make the Datalogic JET™ perfect for use in field force automation, in-store and logistics applications.

The Datalogic JET™ enables companies and organizations worldwide to make more effective use of people and tools for receiving, storage, and shipping activities. For example, extended mobility allows simultaneous real-time inventory management and control of all stock movements to increase precision while minimizing operating costs. Data on store shelves, inventory levels and storage bins are immediately available to permit greater coordination and cut flow times.

The Datalogic JET™ provides mobile professionals with the most relevant features needed to operate in demanding environments: reliability, ruggedness, drop resistance, long lasting batteries, flexible communication and efficient data capture. To optimize mobile applications, a user-accessible memory slot has also been added to back-up data, extend databases, etc.

Thanks to a set of accessories, such as a vehicle cradle (standard and loud speaker), cigarette lighter power adapter and dashboard mounting kit, combined with state-of-the-art technology inside the PDA, the Datalogic JET™ is the right answer for all data management needs on the move.

Features

> Microsoft Windows CE 5.0
> Intel PXA270
> Bluetooth®, Wi-Fi, and GSM/GPRS simultaneous communication options
> Laser, Imager and Laser+RFID HF-ISO 13.56 MHz data capture options
> Large high visibility QVGA color graphic display with touch screen
> User-accessible memory slot
> Ergonomic, lightweight and robust
> 1.5 m drop resistance
> IP64 protection class

Applications

> Field Force Automation
> Parcel pick-up & delivery
> Route accounting
> Warehouse management: inventory/picking/shipping/receiving
> Shelf replenishment/Price management
> Healthcare administration

Specifications

PHYSICAL CHARACTERISTICS

DIMENSIONS	176 mm (6.9) x 90 (3.5) x 28 mm (1.1 in) minimum
WEIGHT	424 to 463 g (14,9 to 16,3 oz) depending on model (incl. battery)
DISPLAY	Reflective TFT daylight readable color display, 240 x 320 pixels, 3.5 in. (89 mm) diagonal, 64 K colors, backlight, touch screen
KEYBOARD	27 rubber keys, triple scan key, backlit keyboard standard
OPERATING TEMPERATURE	-10 ºC (14 ºF) to +50 ºC (122 ºF)
STORAGE TEMPERATURE	-20 ºC (-4 ºF) to +70 ºC (158 ºF)
DROP RESISTANCE	Withstands drops from 1.5 meters (5 ft) onto concrete
ENVIRONMENTAL SEALING	IP64 standard for water and dust resistance

PERFORMANCE

OPERATING SYSTEM	Windows CE 5.0
MICROPROCESSOR	Intel® XScale PXA270 @ 520 MHz
SYSTEM RAM MEMORY	128 MB
SYSTEM FLASH MEMORY	128 MB (including Backup directory for user data & programs permanent storage)
EXPANSION SLOTS	Mini Secure Digital (user accessible)
REAL-TIME CLOCK	Time and date stamping under software control

SERIAL COMMUNICATION

INTERFACES	Electrical: integrated RS232 up to 115.2 Kbps
	USB: integrated high speed USB (USB 1.1)

WIRELESS DATA COMMUNICATION

LOCAL AREA NETWORK	IEEE 802.11b (Wi-Fi)
	Antenna: Internal, with diversity option
	Frequency range: Country dependent, typically 2.4 - 2.5 GHz
WIDE AREA NETWORK	GSM/GPRS (900/1800/1900 MHz); user-accessible SIM socket for GSM/GPRS
	Antenna: Internal
PERSONAL AREA NETWORK	Bluetooth® IEEE 802.15 (Datalogic SilverJet™)
	Antenna: Internal

POWER MANAGEMENT

POWER SUPPLY	Removable battery pack with rechargeable Li-Ion batteries; 7.4 V 1070/1800 mAh (7.9/13.3 Watt hours); Local connection for fast battery charging

LASER CHARACTERISTICS

SCANNING RATE	35 ±5 scans/sec
MINIMUM RESOLUTION	0.127 mm (5 mils)
DEPTH OF FIELD	3 to 70 cm (1.2 to 27.6 in), depending on bar code density
SCAN ANGLE	42° ± 2
BAR CODES	EAN/UPC, Code 39, 2/5 Codes, Plessey, Codabar, Code 128, EAN128, MSI, Code 93, Code 11
LASER CLASSIFICATION	VLD - Class II

RFID CHARACTERISTICS

OPERATING FREQUENCY	13.56 MHz
RFID TAGS	EMS HMS Series, EMS LRP ISO15693 Series, Philips Mifare Classic 1k (read/write block only), Philips Mifare Classic 4k (read/write block only), Philips Mifare Ultralight, Philips I-Code SLI ISO15693, Texas Tag-It HF-I ISO15693, Infineon ISO15693
OPERATING RANGE	Up to 10 cm

IMAGER CHARACTERISTICS

AIMING	Visible laser diode @ 650 nm
MAX. RESOLUTION	Linear: 5 mils; datamatrix: 6.6 mils
READING FIELD	21.8° (H) x 16.7° (V)
PRINT CONTRAST VALUE	PCS=23% (min.)
READING ANGLE	Skew ±40°
	Pitch ±35°
	Tilt 360°
SENSOR	640 X 480 element, 2D CMOS array
LASER CLASSIFICATION	Class 2 (IEC 825-1 and CDRH)
BAR CODES	1D: Interleaved 2 of 5, Code 39, Code 128, EAN 128, Code 93, UPC/EAN/JAN, Codabar
	2D: PDF417, DataMatrix, QR, RSS codes
	POSTAL CODES: POSTNET, PLANET, Japan Post, Australia Post, KIX Code, Royal Mail Code (RM4SCC)
IMAGE & SIGNATURE CAPTURE	640 x 480 VGA (8 bit gray scale)
	320 x 240 CIF (8 bit gray scale)

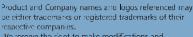# Accessories

Single Cradle and Multiple Battery Charger

Vehicle Cradle

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