



Mobile Computers

General Description

The Datalogic JET™ family provides professional PDAs that extend the power of enterprise computing to all areas of supply chain management: from planning and production, to warehousing and transportation. Datalogic's PDAs capture, compute and communicate information anywhere and anytime, and offer the most versatile business solution for any warehouse management system.

In addition to the highest robustness and reliability in its class, other key features of the Datalogic JET™ family include fully integrated automatic data capture (bar code, RFID images) and superior wireless communication capabilities (WLAN, WWAN and WPAN) as well as a winning combination of unique Italian design, compact size, light weight, and great ergonomics, all in a sturdy outer casing.

The keyboards on the Datalogic BlackJET™ and Datalogic SilverJET™ are made to satisfy different needs. The Datalogic BlackJET™ provides a function-based keyboard for direct ERP transactions, while the Datalogic SilverJET™ utilizes a web-based keyboard for HTML needs.

The Datalogic JET™ family 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 is immediately available to permit greater coordination and cut flow times.

The Datalogic JET™ family 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.

The Datalogic JET™ family: business-critical security when you are on the move.

Features

- > Microsoft Windows CE 4.2 .Net Operating System
- > 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 color graphic display with touch screen
- > Ergonomic, lightweight and robust
- > 1.5 m drop resistance
- > IP64 protection class

Applications

- > Warehouse management: inventory/picking/shipping/receiving
- > Shelf replenishment/Price management
- > Parcel pick-up & delivery
- > Route accounting
- > Field Service automation
- > 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 °C (14 °F) to +50 °C (122 °F)
STORAGE TEMPERATURE	-20 °C (-4 °F) to +70 °C (158 °F)
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 4.2 .Net
MICROPROCESSOR	Intel® XScale @ 400 MHz
SYSTEM RAM MEMORY	64 MB
SYSTEM FLASH MEMORY	32 MB/64 MB (including Backup directory for user data & programs permanent storage)
REAL-TIME CLOCK	Time and date stamping under software control

SERIAL COMMUNICATION

INTERFACES	IrDA: integrated high speed bi-directional communication port (IrDA 1.0) Electrical: integrated 3-pin RS232 up to 115.2 Kbps USB: integrated high speed USB (USB 1.1)
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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
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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	All the EMS LRP Series, ISO15693, Inside PicoTag, Omron V720, Philips I.CODE, Microchip MCRF355, MCRF360 and Texas Instruments™ RFID Tag-it
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 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)



Single Cradle and Multiple Battery Charger



Vehicle Cradle

