



General Description

Datalogic JET™ is a professional PDA that extends the power of enterprise computing to all areas of supply chain management: from planning and production, to warehousing and transportation. Datalogic's PDA captures, computes and communicates information anywhere and anytime, and offers the most versatile business solution for any warehouse management system.

Key features include fully integrated automatic data capture (1D bar code, 1D bar code & RFID HF-ISO tags, 1D & 2D bar codes & images) and superior wireless communication capabilities (Bluetooth®, Wi-Fi 802.11b, GSM/GPRS) as well as a winning combination of unique Italian design, compact size, light weight, and great ergonomics, all in a sturdy outer casing.

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 is immediately available to permit greater coordination and cut flow times.

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.

Datalogic JET™: 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 (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)

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
 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 All the EMS LRP Series, ISO15693, Gemplus FOLIO, 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)

Accessories



Single Cradle and Multiple Battery Charger



Single Cradle

