

# Datalogic Jet RFID Reader



- 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

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.

## Specification

### 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)

### LASER CHARACTERISTICS

**Laser Classification:** VLD - Class II

**Bar Codes:** EAN/UPC; Code 39; 2/5 Codes; Plessey; Codabar; Code 128; EAN128, MSI; Code 93; Code 11

**Scan Angle:** 42° ± 2

**Depth Of Field:** 3 to 70 cm (1.2 to 27.6 in), depending on bar code density

**Minimum Resolution:** 0.127 mm (5 mils)

**Scanning Rate:** 35 ± 5 scans/sec

### PERFORMANCE

**System Ram Memory:** 64 MB

**Operating System:** Windows CE 4.2 .Net

**Microprocessor:** Intel® XScale @ 400 MHz

**System Flash Memory:** 32 MB (including Backup directory for user data & programs permanent storage)

**Real-time Clock:** Time and date stamping under software control

### PHYSICAL CHARACTERISTICS

**Environmental Sealing:** IP64 standard for water and dust resistance

**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

**Keyboard:** 27 rubber keys; triple scan key; backlit keyboard standard

**Display:** Reflective TFT day light readable color display, 240x320 pixels, 3.5 in. (89 mm) diagonal, 64 K colors; backlight; touch screen

**Weight:** 424-463 g (14,9-16,3 oz) depending on model (incl. battery)

**Dimensions:** 176 mm (6.9) x 90 (3.5) x 28 mm (1.1in) minimum

### 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

### RFID CHARACTERISTICS

**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 Frequency:** 13.56 MHz

**Operating Range:** Up to 10 cm

### 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

**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 (Datalogic Silver Jet™)

**Local Area Network:** IEEE 802.11b (Wi-Fi) - Antenna: Internal, with diversity option - Frequency range: Country dependent, typically 2.4 - 2.5 GHz