



General Description

Gryphon™ BT 100 and BT200 share the same powerful architecture of the other models of the Gryphon™ family, with a special addition: the latest innovation in the wireless communication, Bluetooth® Wireless Technology. This technology provides the operator with wider mobility and no cable constraint. Bluetooth® Wireless Technology is a standard defined worldwide, and it allows various devices manufactured by different companies to easily connect and communicate with each other. The new Gryphon™ BT contains the **Datalogic** Bluetooth® radio module, which is compliant with the up-to-date Bluetooth® 1.2 standard. It can communicate with its base receiver or any PC, Laptop, PDA, mobile phone, printer etc. that includes an embedded Bluetooth® module or an external commercial Bluetooth® dongle. The implemented Bluetooth® profile (i.e. the "protocol" used for communication) is provided by the **SPP=Serial Port Profile**: the Bluetooth® device is seen by the host like a virtual COM port. Moreover, the enclosed software utility has been developed to convert serial input to keyboard emulation, providing more interface possibilities for the user.

Bluetooth® Wireless Technology has been added to a first class scanner. Thanks to the state-of-art optics and a decode rate of 270 scans/sec, reading performance in terms of decoding capability and reading quickness makes the Gryphon™ BT very user friendly, intuitive and fast.

Furthermore, the "blue spot" produced by the Gryphon™ BT, provides "good reading" feedback directly on the code and makes the user's job easier, especially in noisy environments.

Features

- > Bluetooth® 1.2 compliant (Serial Port Profile)
- > Virtual COM and keyboard emulation data input
- > High speed data transmission: zero delay
- > GS1 DataBar™ (RSS), PDF417 and linear bar code decoding
- > Package contents:
 - Gryphon™ BT
 - OM Gryphon™ BT receiver or C-Gryphon™ charger
 - CD-ROM Gryphon™ BT
 - Gryphon BT™ Quick Reference
- > Sunrise 2005 compliant

Applications

- > "Cable replacement" for POS/In-Store
- > Document Handling
- > Shop Inventory Management



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Specifications

BLUETOOTH® RADIO COMMUNICATION

CONFORMITY R&TTE and Bluetooth 1.2 Qualified 802.11b co-existence
 RADIO FREQUENCY 2.4 to 2.48 GHz
 COMMUNICATION SPP (Serial Port Profile) Bluetooth 1.1 compliant
 EFFECTIVE RADIATED POWER Up to 4 dBm transmit power for class 2 operation
 BIT RATE Up to 921 Kbps
 RADIO RANGE 10 m in a typical environment

ELECTRICAL CHARACTERISTICS

POWER SUPPLY Direct plug-in 9-28 VDC (C-Gryphon™ B/C)
 BATTERY TYPE 2 AA NiMh batteries
 RECHARGE TIME 4 hours max.
 OPERATING AUTONOMY 24,000 reads - NiMh
 POWER CONSUMPTION 8W max. (C-Gryphon™ B/C)

MECHANICAL CHARACTERISTICS

DIMENSIONS 208 x 107 x 55.5 mm / 8.1 x 4.2 x 2.1 in
 WEIGHT 280 g / 9.9 oz (Gryphon™ BT with batteries); 250 g / 8.8 oz (C-Gryphon™ B/C)
 CASE MATERIAL ABS and Polycarbonate, plus co-moulded rubber

PERFORMANCE

SENSOR CCD solid state (3648 pixels)
 MAX. SCAN RATE 270 scans/sec
 MAX. RESOLUTION 0.076 mm / 3 mils
 PRINT CONTRAST RATIO (min.) pcs=15%
 INTERFACES RS-232 (C-Gryphon™ B/C)
 READING ANGLE Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
 READING INDICATORS Good Read Blue LED, "Blue spot" on the code, adjustable tone "beeper" (Gryphon™ BT), Battery Charging (red), Charge completed (green), Power (yellow) (C-Gryphon™ B/C)

ENHANCED FEATURES

BAR CODES 2/5 family, Code 39 (plus Code 32, CIP 39), EAN/U.P.C., ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, TELEPEN, PLESSEY, Code MSI, Code Delta IBM, Code 16K, Code 49, GS1 DataBar™ (RSS) PDF417

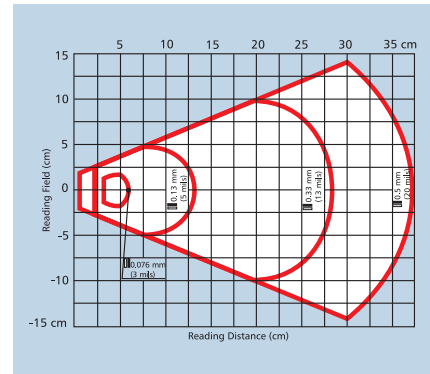
PROGRAMMING METHOD

BT200 Model
 Manual Reading special bar codes
 Automatic (with RS-232) S/W commands through the serial port
 Sm@rtSet™ Windows configuration program

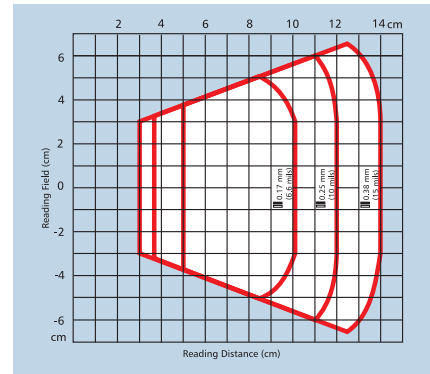
ENVIRONMENTAL CHARACTERISTICS

DROP RESISTANCE IEC68-2-32 TEST ED, resists repeated drops from 1.8m onto a concrete surface
 OPERATING TEMPERATURE 0 to 40 °C / 32 to 104 °F
 STORAGE TEMPERATURE -20 to 70 °C / -4 to 158 °F
 AMBIENT LIGHT CONDITIONS Up to 100.000 lux
 HUMIDITY 90% non condensing
 ENVIRONMENTAL PROTECTION IP30

Reading Diagrams



Standard reading zone



PDF417 reading zone

Connectivity



The introduction of Bluetooth® Wireless Technology offers a wireless cost-effective solution when basic cable-free mobility is required. The Gryphon™ bar code reader can be connected to mobile computers, printers, mobile phones and other Bluetooth® compliant devices. The new Gryphon™ BT provides new application possibilities. A bar code reader can now be used, for example, in mobile shopping applications by simply transmitting data to a Laptop or a PDA. Bluetooth® is a standard communication protocol that provides full connectivity between various devices. It guarantees quick and reliable communication and data transmission.