gryphon™

Bluetooth® Cordless System

Instinctive Reading
Intelligent Scanner

Bluetooth®

Complete Solution

GRYPHON
Blue Spot

RSS & PDF417 Codes

General Description

Gryphon™ BT 100 and BT200 are two new members of the successful Gryphon™ mobile family. They share the same powerful architecture of the other models with a special addition: the latest innovation in the wireless communication, Bluetooth® technology. This technology provides the operator with wider mobility and no cable constraint. Bluetooth® 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® 1.1 standard and can communicate with 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.

Bluetooth® 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® 1.1 compliant
> Virtual COM and keyboard emulation data input
> High speed data transmission: zero delay
> RSS symbologies, PDF417 and linear bar code decoding
> Package contents:
   - Gryphon™ BT
   - C- Gryphon™ Battery Charger
   - CD-ROM Gryphon™ BT
   - Gryphon BT™ Quick Reference

Applications

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

DATALOGIC

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Specifications

BLUETOOTH RADIO COMMUNICATION

CONFORMITY	R&TTE and Bluetooth 1.1 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
WEIGHT	280 g (Gryphon™ BT with batteries); 250 g (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	RS232 (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	Puzzle Solver™, data editing and data concatenation
BAR CODES	RSS variants, 2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, TELEPEN, PLESSEY, Code MSI, Code Delta IBM, CODABLOCK, Code 16K, Code 49
BT200 Model	PDF 417

PROGRAMMING METHOD

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Manual	Reading special bar codes
Automatic (with RS232)	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
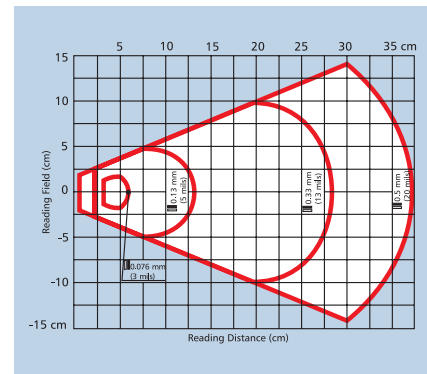
Standard reading zone
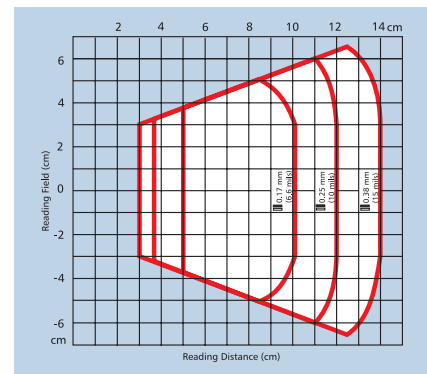
PDF417 reading zone

Connectivity

The introduction of Bluetooth® technology offers a wireless cost-effective solution when 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.

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