gryphon™

Bluetooth® Cordless System
Instinctive Reading Intelligent Scanner

⬦DATALOGIC™

Bluetooth®

Complete Solution

GRYPHON
Blue Spot

RSS & PDF417 Codes

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 manu factured by differentcompanies 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

Bluetooth®

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
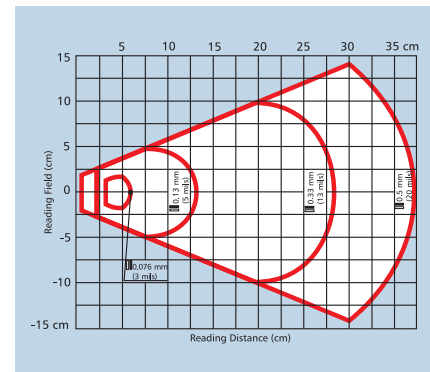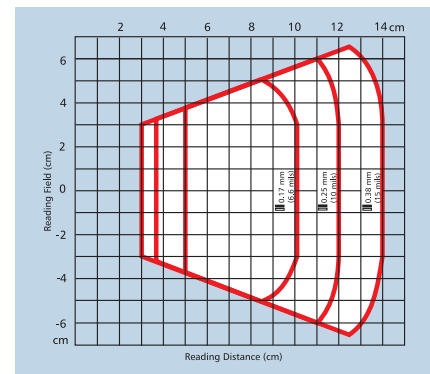|	
SENSOR	CCD solid state (3648 pixels)
MAX. SCAN RATE	270 scans/sec
MAX. RESOLUTION	0.076 mm / 3 mils
PRINT CONTRAST RATIO (min.)	pcs=15%
INTERFACES	RS-232 (C-Gryphon™ B/C)
READING ANGLE	Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
READING INDICATORS	Good Read Blue LED, "Blue spot" on the code, adjustable tone "beeper" (Gryphon™ BT), Battery Charging (red), Charge completed (green), Power (yellow) (C-Gryphon™ B/C)
ENHANCED FEATURES	Puzzle Solver™, data editing and data concatenation
BAR CODES	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, Code 16K, Code 49, GS1 DataBar™(RSS)
BT200 Model	PDF417
PROGRAMMING METHOD	
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

Wireless Technology

The introduction of Bluetooth® Wireles 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.

◆DATALOGIC™

CE CSQ TÜV