



Display with backlight



Protective case



General Description

Kyman™ is a rugged hand-held terminal with advanced bar code scanning, data processing and communications features. It has been conceived to provide the highest productivity and comfort in demanding environments, to link users to data and to each other in transportation and logistics applications such as warehouses, docks, yards, and on the road.

Ease of use and reliability are benefits that are valued across all markets. Kyman™ features a bright, easy-to-read 1/8 VGA display and rechargeable, long-lasting lithium-ion batteries, which contribute to Kyman™'s universal market appeal. Designed for IP54 standards, the Kyman™ meets mobile data management demands in many industrial environments.

Kyman™ represents a light-weight solution powered by a innovative PC-like architecture, the same of Viper™, with RadioReady support.

Built to be a open system, the Kyman™ supports the most widespread mobile standards, such as IEEE 802.11b and OpenAir, depending on the PC card used, and it makes communication management extremely straightforward in both new and existing installations.

Communication management to the legacy system takes advantage of the new software product line that includes terminal emulation connectivity through DL TCL™, while client server applications benefit from the use of the MCL-Collection™ Suite. Kyman™ fills the gap between office automation oriented and pure industrial mobile data collection solutions.

Features

- > WLAN 802.11b (Wi-Fi) radio options
- > RadioReady concept
- > High autonomy Li-ION battery pack
- > Advanced connectivity management
- > Robustness and Ergonomics
- > Multiple scanning engine option (1D / 2D codes)
- > Battery Hot Swapping support
- > MCL-Collection™ compliant

Applications

- > Warehousing
- > Retail
- > Transportation





Specifications

PHYSICAL CHARACTERISTICS

DIMENSIONS	227 mm H x 83 mm W x 60 mm D
WEIGHT	480 g with battery and WLAN PC-card
LASER SOURCE	Visible Laser Diode, 650 nm
OPERATING TEMPERATURE	-10 to 50 °C
STORAGE TEMPERATURE	-20 to 70 °C
DROP	Withstands multiple 1.5 m drops to concrete
ENVIRONMENTAL SEALING	Designed for IP54 environments
DISPLAY	Graphic high-contrast LCD with 160 x 240 pixel resolution and backlight feature; keyboard controlled contrast
SCREEN FORMAT	20 char. x 20 lines with default font
POWER	Removable battery pack with rechargeable Li-ION batteries; Supercapacitor to back-up system RAM during battery pack change; Lithium batteries to preserve set-up and data; Local connection for fast battery charging and serial communication
CONTROL SWITCHES	Power ON/OFF; contrast, backlight, alphanumeric keys
KEY PADS	42-key full alphanumeric silicon rubber keypad
STATUS INDICATOR LIGHTS	Good decode, battery level, alphanumeric selection

PERFORMANCE

MICROPROCESSOR	32-bit Amd486 CPU, up to 32 MHz
OPERATING SYSTEM	Datalight ROM-DOS 6.22, Datalogic proprietary BIOS
SYSTEM RAM MEMORY	2 or 8 MB
SYSTEM FLASH MEMORY	2 or 8 MB
REAL-TIME CLOCK	Time and date stamping under software control; year 2000 compliant

INTERFACES

IrDA: bi-directional communication port with mobile printers compatibility
Electrical: integrated 7-pin RS232 with data rate up to 115.2 Kbps, including fast in-line battery charger

RF DATA COMMUNICATIONS

NETWORK WLAN, IEEE 802.11b or OpenAir compliant

ANTENNA Internal with diversity option
FREQUENCY RANGE Country dependent, typically 2.4 to 2.5 GHz

PERIPHERALS

SCAN ENGINES

Linear: High Performance or Long Range;
2D: Raster for PDF417 and stacked codes (batch models only)
Single desk cradle with additional slot for spare battery; bi-directional data communication supported through IrDA interface

BATTERY CHARGER

4-slot multiple battery charger with recycling option

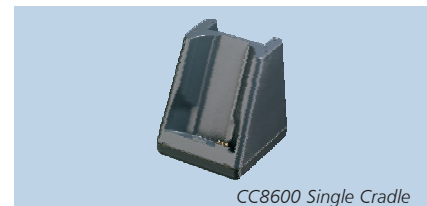
Accessories

The CC8600 Single Cradle, specifically developed to support batch applications, provides charging power to the Kyman™ and a spare battery pack.

It supports direct serial connection through RS232 standard and Multidrop connection through a RS485 double-interface.

The MBC8600 Multiple Battery Charger is the ideal accessory for 24-hour applications or wireless applications. It is able to quickly charge and to re-condition 4 NiMH battery packs simultaneously.

The new power supply FPS18 (14 VDC 4A) has been added to perfectly meet the mobile@work™ product line requirements. This provides the ideal solution for all Kyman™ applications either with direct connections through CAB-4001 or with the CC8600 and MBC8600. The FPS18 is a full range power supply, from 90 to 250 VAC with a standard plug for PC/monitor cable.



CC8600 Single Cradle



MBC8600 Multiple Battery Charger

User Interfaces

All the components of the user interface have been designed with the aim to provide the highest ease of use, beginning with the wide and tall contrast LCD display (160 x 240 pixels) capable of visualising any operation in all ambient light conditions. The full alphanumeric keypad is optimised in terms of space, layout and ease of operation to accommodate the integration of a graphic overlay on the keys. Thanks to the battery hot swapping feature, the battery can be easily substituted without losing data and time, so that user productivity is optimized to a downtime close to zero.

