




# DL8600 Kyman™

## Palm Key-Based DOS Terminal

### FEATURES

-  MOBILE @work™
- WLAN 802.11b or OpenAir radio options
- *RadioReady* concept
- High autonomy Ni-MH and Li-ION battery pack
- Advanced connectivity management
- Robustness and Ergonomics
- Multiple scanning engine
- Battery Hot Swapping

### APPLICATIONS

- Warehousing
- Retail
- Transportation

### GENERAL DESCRIPTION

Datalogic is proud to announce a new terminal of the rugged *mobile@work*™ product line: **DL8600 Kyman™**.

The first key-based palm terminal in Datalogic's line of products for industrial environments, **DL8600 Kyman™** is a light-weight 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.

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

Ease of use and reliability are benefits that are valued across all markets. **DL8600 Kyman™** features a bright, easy-to-read 1/8 VGA display and rechargeable, long-lasting lithium-ion or nickel-metal-hydrate batteries, which contribute to **Kyman™**'s universal market appeal. Sealed to IP54 standards, the rugged durability of **DL8600 Kyman™** meets the needs of many industrial environments.

Built to be a open system, the **DL8600 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 for OS/400, Unix, and Microsoft Windows platforms, including the most diffused ERPs, such as SAP R/3. **Kyman™** fills the gap between office automation oriented and pure industrial mobile data collection solutions.

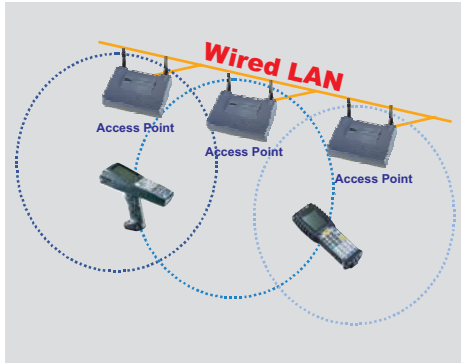


---

## DATA TRANSMISSION / COMMUNICATION

The *mobile@work*™ systems allow many types of reliable communications. A sophisticated industrial connector is located on the terminal that provides an immediate and sturdy communication interface through the serial EIA RS232 standard. The same connector also allows the batteries to be recharged in fast-charge mode.

When a wireless serial link is needed, the integrated IrDA interface can be conveniently used. Datalogic supplies a universal driver compliant with the most widespread mobile printers, so that barcode labels and notes can be easily printed by the user in field.



The most advanced features of the *mobile@work*™ product line are suited to support wireless communication through a WLAN (Wireless Local Area Network). The most diffused WLAN PC-cards can be successfully used with the *RadioReady* concept.

Datalogic provides both IEEE 802.11b and OpenAir WLAN equipments, such as PC-card, included in the terminal, and the Access Point, which provides bridging between wired and wireless devices. The Access Point can be configured and managed through the wired or wireless network, by serial connection or modem, with the use of Telnet Access software, web browser or SNMP (Simple Network Management Protocol).

---

## USER INTERFACE

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. Designers can use the display format that best suits their particular application needs, using the several font formats available. The full alphanumeric keypad is optimised in terms of space, scheme and ease of operation to accommodate the integration of a graphic overlay. An innovative feature of the *mobile@work*™ product line is battery hot swapping. The battery can be easily substituted without losing data and time, so that user productivity is optimized to a downtime close to zero.



---

## ACCESSORIES

The CC8600 Single Cradle, specifically developed to support batch applications, provides charging power to the DL8600 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 DL8600 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



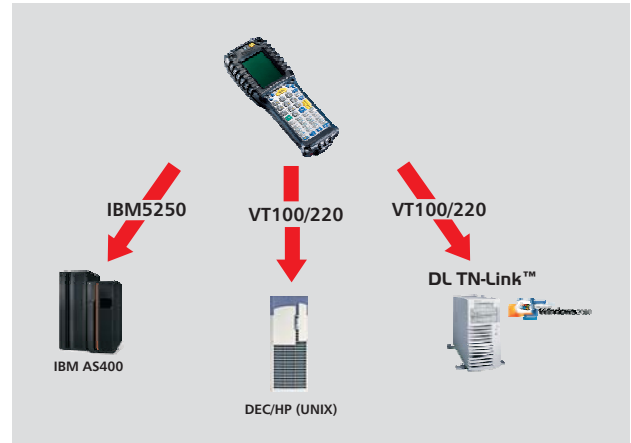
MBC8600 - 4 slot Multiple Battery Charger

## CONNECTIVITY TOOLS

Kyman™ has been developed to be a high-tech mobile terminal with characteristics designed for wireless applications. For the user it represents a tool to collect information, compute it and communicate with the host system. A complete set of software tools has been specifically developed by Datalogic for this purpose. The DL-TCL™ is the Terminal Emulation Client based on a standard Telnet TCP/IP protocol ideal for applications when direct connection to host systems is required. The DL TN-Link™ and the DL WEB-Link™ are software packages addressed to Windows programmers to completely manage each mobile unit directly from a PC.

### DL-TCL™ Terminal Emulation Client

The DL-TCL™ is a software tool embedded in all devices, that allows communication between RF versions of the Kyman™, legacy systems and Windows based applications via VT100, VT220 and IBM5250 terminal emulation. The set-up and download of DL-TCL™ is provided by the DL Terminal Configurator, a Windows-based management tool for quick and flexible customization of all terminal and network parameters to better answer specific wireless application needs. On-board settings of the parameters, autorun option, keyboard mapping, row relocation, automated login, FTP server functions and diagnostic log file activation are some of the features that make the DL-TCL™ a complete and flexible terminal emulation solution.

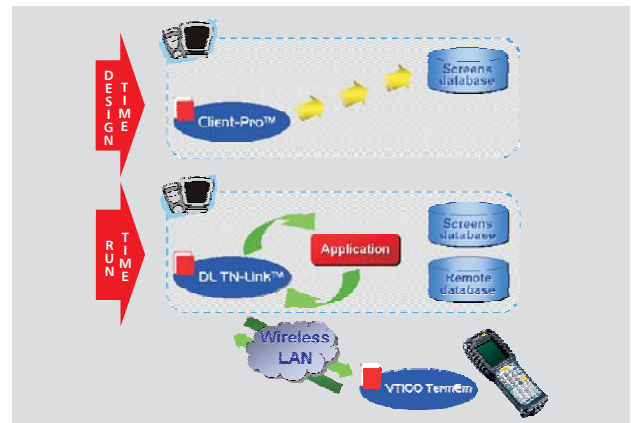


DL-TCL™ connectivity scenario

### DL TN-Link™ Windows run-time driver

The DL TN-Link™ is based on Active\_X architecture. It includes two basic components, Client-Pro™ that is used to design the user screen and run-time OCX, that can be added to the RAD language programming suite. This approach allows the programmer to manage the mobile unit from the main application through a set of standard commands. On each screen created by the Client-Pro™ utility, data entry can be completely customized, enabling laser input only when necessary.

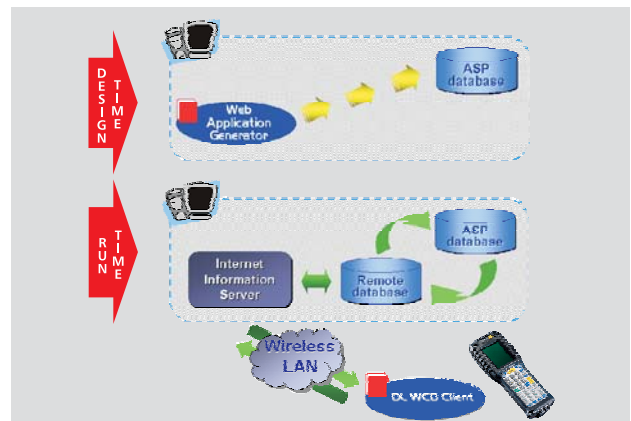
On Datalogic DOS-based terminals (Kyman™, Viper™ and Formula DOS terminals) it is only required to install terminal emulation software VT100.



DL TN-Link™

### DL WEB-Link™ Application Generator

DL WEB-Link™ is based on web technology. It takes advantage of Internet Protocol embedded capability, managing communication between the database and the mobile unit through a standard IIS (Internet Information Server). The DL WEB-Link™ solution is composed of two elements: the Web Application Generator and Web Client for DOS terminals. The first is used to build up an application by creating a set of pages ASP (Active Server Page) that directly interact with the database located on the host side, using a standard XML/HTML approach. The second is none other than a character based web browser, specifically developed for Datalogic DOS terminals (Kyman™, Viper™ and Formula DOS terminals).



DL WEB-Link™

# 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	Multiple 1.5 m drops to concrete
ENVIRONMENTAL SEALING	IP54
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 NiMH or 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 toggle
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	Datalogic 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)
CRADLES	Single desk cradle with additional slot for spare battery; bi-directional data communication supported through IrDA interface
BATTERY CHARGER	4-slot multiple battery charger



Product and company names and logos referenced may be either trademarks or registered trademarks of their respective companies.



We reserve the right to make modifications and improvements

Switzerland • **OPAL Associates AG** • Motorenstrasse 116 • CH-8620 Wetzikon • Telefon +41 (0)1 931 12 22 • Telefax +41 (0)1 931 12 20 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • URL <http://www.opal.ch/> • **OPAL Associates SA** • Avenue des Boveresses 54 • Case postale 29 • CH 1000 Lausanne 21 • Telefon +41 (0)21 653 95 00 • Telefax +41 (0)21 653 95 02 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • URL <http://www.opalsa.ch/> •  
Germany • **OPAL Associates GmbH** • Lohnerhofstrasse 2 • D-78467 Konstanz Telefon • +49 (0)7531 813 000 • Telefax +49 (0)7531 813 00 99 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • URL <http://www.opalgmbh.de/> • **OPAL Associates GmbH** • Osterholder Allee 2 • 25421 Pinneberg • Telefon +49 (0)4101 787 615 • Telefax +49(0)4101 787 616 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • **OPAL Solutions GmbH** • Wilhelmstr. 22 • 52428 Jülich • Telefon +49 (0)2461 936 770 • Telefax +49(0)2461 936 771 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • URL <http://www.opal-solutions.de/> •  
Austria • **OPAL Associates GesmbH** • Voralberger Wirtschaftspark • A-6840 Götzis • Telefon +43 (0) 5523 58833 • Telefax +43 (0)5523 521569 • Email [info@opal-holding.com](mailto:info@opal-holding.com) • URL <http://www.opalgmbh.at/>

