



DL9600 *Viper*™ Pistol Grip DOS Terminal

FEATURES

- **MOBILE @work**™
- WLAN 802.11b or OpenAir radio options
- **RadioReady** concept
- Wide innovative display (320x240 pixel)
- Large numeric or alphanumeric keyboard
- Modularity (keyboard, scanning engine and WLAN PC-Card)
- High autonomy Ni-MH and Li-ION battery pack
- Robustness and Ergonomics
- Battery Hot Swapping

APPLICATIONS

- Warehousing
- Shop Floor
- Retail

GENERAL DESCRIPTION

Datalogic is proud to announce a new product line of rugged portable terminals specially designed for industrial applications: *mobile@work*™.

The first component of this family is **DL9600 Viper**™, a powerful pistol grip terminal, based on PC-like architecture and **RadioReady** concept. **Viper**™ has been conceived to match the requirements of harsh environments, with no compromises in terms of reliability and robustness. The state-of-the-art technology powering **Viper**™ is completely protected from mechanical shocks and sealed against water and dust penetration. Built to be an open system, **Viper**™ supports the most widespread mobile standards, such as IEEE 802.11b and OpenAir, depending on the PC card used making communication management extremely straightforward in both new and existing installations. Furthermore, an innovative user interface, featuring one of the largest LCD display in existence on a pistol grip terminal, 1/4 VGA, and a spacious, intuitive keyboard, improves efficiency at the point of data collection.

In order to maximize functionality, **Viper**™ has been developed to be modular: batteries, keyboard, scanning engine and WLAN can be shaped to meet all the requirements of the application.

Since industrial environments are characterized by day-long use, **Viper**™ has been designed with the user in mind: lightweight and well balanced together with a hand-fitting shape provide the best user comfort in its product class.

Communication management to the legacy system takes advantage of the new software product line that includes terminal emulation connectivity for OS/400, Unix, Microsoft Windows platforms, including the most used ERPs, such as SAP R/3.

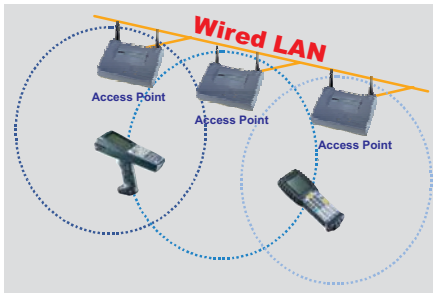
Viper™ is the ultimate solution for mobile industrial applications.



DATA TRANSMISSION / COMMUNICATION

The *mobile@work™* systems allow many types of reliable communications. A sophisticated industrial connector located on the terminal 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 cordless 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 equipment, such as PC-card, included in the terminal and Access Point, that 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 high contrast LCD display (240 x 320 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. Datalogic also offers *Viper™* with 2 interchangeable keypad layouts, Alphanumeric or Numeric, to meet the requirement of all applications. An innovative feature of the *mobile@work* product line is battery hot swapping. The battery can be easily replaced without losing data and time, so that user productivity is optimized to a downtime close to zero.



ACCESSORIES

The CC9600 Single Cradle, specifically developed to support batch applications, provides charging power to *Viper™* and a spare battery pack. It supports direct serial connection through RS232 standard, and Multidrop connection through a RS485 double-interface.

The MBC9600 Multiple Battery Charger is the ideal accessory for 24-hour or wireless applications. 4 battery packs can be quickly charged and re-conditioned simultaneously.

The new power supply FPS18 (14 VDC, 4A) has been added to perfectly match *Viper™* requirements. It is the ideal solution for all the *Viper™* applications either with direct connections through CAB-4001 or with the CC9600 and MBC9600. FPS18 is a full range power supply, from 90 to 250 VAC, with a standard plug for PC/Monitor cable. Although Datalogic supplies the proper cable (separately) to connect the FPS18 to the power socket, the standard connector included in its box allows any integrator to buy the cable locally. In addition, a complete set of wearable accessories are supplied, including a functional case and belt holster to conveniently keep *Viper™* secure when not in use.



CC9600 Single Cradle



MBC9600 Multiple Battery Charger



DL9600 in operation with functional case and belt holster accessories



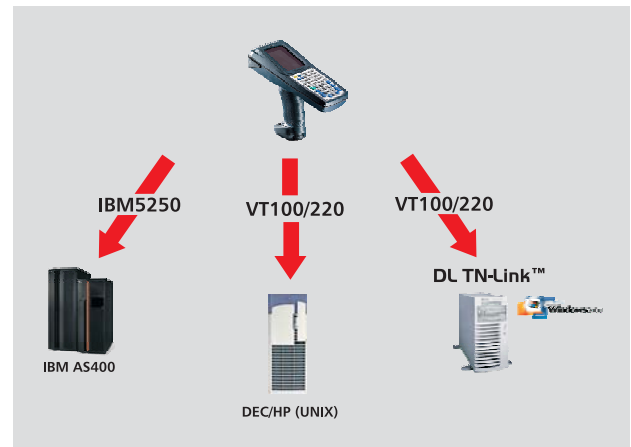
CONNECTIVITY TOOLS

mobile@work™ terminals have 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™/Twin Client™ Terminal Emulation

The DL-TCL™ is a software tool embedded in all devices, that allows communication between RF versions of the **mobile@work™** terminals, 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. On-board parameter settings are also available.

The Twin Client Terminal emulation is also available to support Telnet connectivity via VT100/220, IBM5250 and IBM3270.

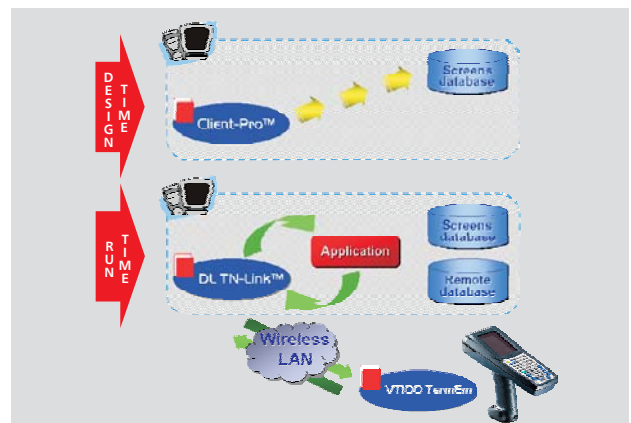


DL-TCL™ connectivity scenario

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, such as DL-TCL™.

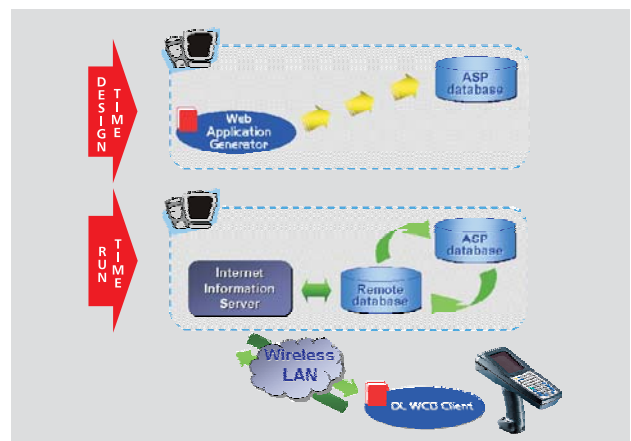


DL TN-Link™

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™

AVAILABLE OPTIONS

	KEYBOARD		SCANNER			BATTERY		Wi-Fi	OpenAir
	32	48	HP	LR	PDF	Li-ION	Ni-MH	802.11b	
DL9600 BATCH	•	•	•	•		•	•		
DL9600 RadioReady	•	•	•	•	•	•	•	•(User selectable)	•(User selectable)
DL9600 RF	•	•	•	•	•	•	•	•(Cisco)	•(Proxim)

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

DIMENSIONS	235 mm H x 105 mm W x 180 mm D
WEIGHT	Approx. 820 g with battery and WLAN PC-card
LASER SOURCE	Visible Laser Diode, 650 nm
OPERATING TEMPERATURE	-20 to 50 °C
STORAGE TEMPERATURE	-20 to 70 °C
DROP	Withstands Multiple 1.8 m drops to concrete
ENVIRONMENTAL SEALING	Designed for IP65 standards
DISPLAY	Graphic high-contrast LCD with 240 x 320 pixel resolution and backlight feature; keyboard controlled contrast
SCREEN FORMAT	24 char. x 21 lines with default font
POWER	Removable battery pack with rechargeable NiMH or Li-ION batteries; super-capacitor 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, alpha toggle in numeric keyboard
KEY PADS	48 alphanumeric or 32 numeric key silicon rubber keypad
STATUS INDICATOR LIGHTS	Good decode, battery level, charging status

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 - 2.5 GHz

PERIPHERALS

SCAN ENGINES	Linear: High Performance or Long Range; 2D: Raster for PDF417 and stacked codes
CRADLES	Single 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



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We reserve the right to make modifications and improvements

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