

Viper™

Pistol Grip
DOS Terminal



General Description

Viper™ is a powerful pistol grip terminal, based on a PC-like architecture and the **RadioReady** concept, making communication management extremely straightforward in both new and existing installations. 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 the MS DOS operating system. Furthermore, an innovative user interface, featuring one of the largest LCD display in existence on a pistol grip terminal, 1/4 VGA with LED backlighting, 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 systems 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.

All Viper's™ features can be easily configured through a powerful Windows Tool, specifically designed for the mobile@work product line, DL Mobile Configurator™.

Viper™ is the ultimate solution for mobile industrial applications.

Features

- > WLAN 802.11b (Wi-Fi) radio options
- > RadioReady concept
- > Wide innovative display (240x320 pixel) with LED backlighting
- > Large numeric or alphanumeric keyboard
- > Modularity (keyboard, scanning engine and WLAN PC-Card)
- > Multiple scanning engine option (1D/2D codes)
- > High autonomy Li-ION battery pack
- > Extremely robust: 1.8 m drop, IP65 protection class
- > MCL-Collection™ compliant

Applications

- > Warehousing
- > Shop Floor
- > Retail

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 (standard version)
OPERATING TEMPERATURE	-20 to 50 °C
STORAGE TEMPERATURE	-20 to 70 °C
DROP RESISTANCE	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 LED 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
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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

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 the 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. Four 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™'s requirements. It is the ideal solution for all applications using the Viper™, either with direct connections through the 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 cables. 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



Viper™ with functional case



Viper™ with belt holster



MBC9600 Multiple Battery Charger

