

PRELIMINARY



Vehicle Mount Computer

HIGHLIGHTS

• PURPOSE BUILT

Tailored for warehouse management, the R Series increases productivity through reduced errors during receiving, put-away, picking and shipping activities. Addition of a hand held bar code scanner allows for quick data entry and location confirmations.

• RUGGED

The R Series vehicle mounted computers set the industry rugged standard. The aluminium outer case with fan less design withstands the vibration and shocks experienced onboard rigid suspension vehicles. Exclusive 2-tail touch screen technology and mounting endures direct display abuse. IP sealed to the maximum extent, R Series resists dust, rain and harsh cleaners. A heater option protects the R Series in freezing temperatures.

• VERSATILE

Available in three different sizes, R Series fits different mounting and space constraints. Mounting options include support for the vehicle mounted computer, hand-held readers, ABCD or QWERTY external keyboards. A dedicated software keyboard with over 25 layouts (including 8 languages) adapts the R Series to a minimum footprint and global enterprises.

• STANDARD

The R Series Windows CE operating system and X Scale processor leverage the existing investment in mobile computing applications. Included in the Datalogic Utilities and Wavelink Powered program, the R Series maximizes the return on investment through easy deployment, device management and maintenance customized.

FEATURES

- Microsoft Windows CE operating system
- Large high visibility color graphics display, with multiple screen sizes: 7", 10" and 12"
- Integrated touch screen
- WLAN: IEEE 802.11 b/g
- Meets IP65, IP66 and IP67 protection classes
- Wide operating temperature range -30°C to 50°C
- Integrated touch screen
- Tethered and cordless bar code scanning support
- External ABCD, QWERTY and software keyboard options
- Wavelink Powered™ with pre-installed and pre-licensed Wavelink® Avalanche™ and Terminal Emulation

APPLICATIONS

- Warehouse Management:
 - Inventory
 - Picking
 - Shipping/receiving
 - Put away
 - Cross docking
- Cold storage and harsh outdoor
- Manufacturing Shop Floor



Specifications

PHYSICAL CHARACTERISTICS

DIMENSIONS	<i>R Series-7:</i> 229 x 158 x 85 mm (9.0 x 6.2 x 3.3 in) <i>R Series-10:</i> 280 x 226 x 86 mm (11.0 x 8.9 x 3.4 in) <i>R Series-12:</i> 319 x 261 x 101 mm (12.6 x 10.3 x 4.0 in)
WEIGHT	<i>R Series-7:</i> 2.5 Kg (88.2 oz) <i>R Series-10:</i> 4.0 Kg (141.1 oz) <i>R Series-12:</i> 4.7 Kg (165.8 oz)
DISPLAY	<i>R Series-7:</i> Color TFT 7" LCD with 480 x 234 pixel resolution, 500cd/m2, with backlight and resistive touch screen <i>R Series-10:</i> Color TFT 10.4" LCD with 800 x 600 pixel resolution, 230-400 cd/m2, with backlight and resistive touch screen <i>R Series-12:</i> Color TFT 12.1" LCD with 800 x 600 pixel resolution, 350 cd/m2, with backlight and resistive touch screen
KEYBOARD	<i>R Series-7:</i> 17 front keys, including power on/off, brightness control and function keys <i>R Series-10/-12:</i> 25 front keys, including power on/off, brightness control and function keys
OPERATING TEMPERATURE	0° to +50°C (32° to 122°F)
STORAGE TEMPERATURE	-30° to +50°C (-22° to 122°F) with heating option (not available on <i>R Series-7</i>) <i>R Series-7:</i> -35° to +65°C (-31° to 149°F) <i>R Series-10/-12:</i> -20° to +60°C (-4° to +140°F)
SHOCK / VIBRATION	Class 5M3 according to EN 60721-3-5 and US Highway Truck as MIL-STD 810F
ENVIRONMENTAL SEALING	IP65, IP66 and IP67 for water and dust resistance

SYSTEM

OPERATING SYSTEM	Microsoft Windows CE 5.0
MICROPROCESSOR	Marvell® XScale PXA270 @ 520 MHz
SYSTEM RAM MEMORY	128 MB
SYSTEM FLASH MEMORY	128 MB (including Backup directory for user data & permanent program storage)
EXPANSION SLOTS	1x 16bit Typ I/II PCMCIA slot (if CF card not in use)
POWER SUPPLY	<i>R Series-7:</i> 24/48 VDC, 36 W, galvanically isolated, voltage sags up to 5 VDC can be handled for up to 20 sec. <i>R Series-10/-12:</i> 24/48 VDC, 60 W and 100 W, galvanically isolated, voltage sags up to 10 VDC can be handled for up to 20 sec.

COMMUNICATIONS

INTERFACES	2 x RS232 serial port, 5 VDC on COM1 (pin 9) to supply an external hand held reader 2 x USB 2.0, low and full speed, 2 host or alternatively 1 host and 1 client External keyboard/mouse via USB port
LOCAL AREA NETWORK (WLAN)	IEEE 802.11b/g Frequency range: Country dependent, typically 2.4 - 2.5 GHz

SOFTWARE

DEVELOPMENT	CONFIGURATION & MAINTENANCE
Windows CE SDK™	Wavelink® Avalanche™
	Datalogic Desktop Utility
TERMINAL EMULATION	Datalogic Configuration Utility
Wavelink® Terminal Emulation	
Wavelink® TermProxy	UTILITIES
Wavelink® Industrial Browser	Wavelink® Remote Control

Accessories



Powerscan 8330 tethered and cordless (via cradle and StarModem)



Mounting brackets



External keyboard (both ABCD and QWERTY layout)