



## RUGGED VEHICLE MOUNTED COMPUTER

The Rhino II™ vehicle mount computers, available in both 10" and 12" display sizes, set the standard for ruggedness in the warehouse. A sealed design tested to IP65/IP67 ensures operation in the toughest environments. A dedicated freezer-rated model with integrated display heater allows use in and out of cold storage. The capacitive touch models feature 3 mm anti-glare armored glass, while still allowing use of gloves.

## WAREHOUSE MANAGEMENT

Tailored for warehouse management, the Rhino vehicle computer increases productivity through reduced errors during receiving, put-away, picking and shipping activities. Adding a handheld bar code scanner such as Datalogic's PowerScan™ allows for quick data entry and location confirmations.

## VERSATILITY

The Rhino vehicle computer is equipped with an internal isolated power supply, ignition sense to automatically control the power, and an optional battery backup for the ultimate protection against data loss. The Rhino vehicle computer fits different mounting and space constraints. Mounting options include various brackets and RAM mounts for the vehicle computer along with ABCD or QWERTY external keyboards. A dedicated software keyboard includes a multitude of layouts and languages, adapting the Rhino computer to a minimum footprint and global applications.

## OPERATING SYSTEM AND UTILITIES

The Rhino II computer offers a choice of Windows Embedded Compact 7 (WEC7), Windows Embedded 7, or Windows 10 IoT Enterprise operating systems. Included are various Datalogic Utilities and on the WEC7 models, Wavelink® Avalanche™ and Terminal Emulation are pre-loaded and pre-licensed, allowing the Rhino computer to maximize return-on-investment (ROI) through easy deployment, device and maintenance management.



## FEATURES

- Choice of Microsoft Operating Systems
- 10 inch or 12 inch high resolution color display
- Anti-glare multi-touch screen, with gloves support
- WLAN: IEEE 802.11 a/b/g/n, CCX v4
- Bluetooth® Wireless Technology v4.0
- Wired Ethernet (GbE) included
- Sealed to IP65/IP67 protection class
- Wide operating temperature range from -20 to 55 °C / -4 to 131 °F (Freezer 10 inch model to -30 °C / -22 °F)
- Tethered and cordless bar code scanner support
- External ABCD, QWERTY and software keyboard options
- Wavelink Powered™ with pre-installed and pre-licensed Wavelink Avalanche and Terminal Emulation (WEC7 models)
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

## INDUSTRY-APPLICATIONS

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



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## TECHNICAL SPECIFICATIONS

## WIRELESS COMMUNICATIONS

PERSONAL AREA NETWORK (WPAN)	Bluetooth Wireless Technology 4.0
LOCAL AREA NETWORK (WLAN)	Wi-Fi: 802.11a/b/g/n (2.4 GHz and 5 GHz); Cisco CCX v4; Wired Ethernet: 1 x GbE, RJ-45 (bottom)
ANTENNAS	Diversity antennas under top cap; Optional cab mount antenna

## ELECTRICAL

BACKUP BATTERY	Optional backup battery for up to 30 min. runtime; 2,500 mAh @ 10.8 VDC; 27 Wh; Battery charging: 0 to 50 °C / 32 to 122 °F; Battery operating: -20 to 50 °C / -4 to 122 °F; Choice of 12 VDC; 24/48 VDC isolated internal power supplies
POWER SUPPLY	On front bezel
LIGHT INDICATORS	

## ENVIRONMENTAL

HUMIDITY	10 to 90% at 40 °C / 104 °F; non-condensing
TEMPERATURE	Operating: -20 to 55 °C / -4 to 131 °F (without heater, Capacitive models); -30 to 55 °C / -22 to 131 °F (with heater, minimal condensation using freezer-rated model - 10" only)
SHOCK & VIBRATION	Class 5M3 at EN 60721-3-5: 1998 (landcrafts)
PARTICULATE AND WATER SEALING	IP65/IP67

## INTERFACES

INTERFACES	1 x Ethernet 10/100/1000 Mbps; RJ45; USB: 2 x USB 2.0 Type A (bottom) 1 x USB 3.0 Type A (bottom) [Win7/10 only] 1 x USB 2.0 Type A (top) Serial: 2 x RS-232 (bottom); COM1: 5 V on pin 9; COM2: 5/12 V on pin 9
INTERFACE SLOTS	1x Mini-PCIe, half or full size slot (full size used for Wi-Fi) 1x CFast for SSD (Win 7/Win 10) 1x SD Card slot for SDHC card (WEC7)

## PHYSICAL CHARACTERISTICS

CONSTRUCTION	Coated aluminum, no fan design
DIMENSIONS	27.8 x 22.3 x 6.4 cm / 10.9 x 8.8 x 2.5 in
DISPLAY	Resistive/Freezer Model: 10.4 inch SVGA 800x600, 400 NITS; Capacitive/Standard Models: 10.4 inch XGA 1024 x 768, 350 NITS 12.1 inch XGA, 1024 x 768, 500 NITS 4 programmable keys (S1-S4) VESA: 75 mm pattern
FUNCTION BUTTONS	Optional
MOUNTING	Optional: downward facing, waterproof
SCREEN BLANKING	Resistive, 4 Wire (WEC7/Freezer model only); Capacitive (all OS); 3 mm, non-reflecting, hardened glass; Gloves support
SPEAKERS	1 x HDMI port (top) [Win7/10 only]
TOUCHSCREEN	Wireless via Bluetooth v4 (10 inch Freezer Models) 3.4 Kg / 7.5 lb (10 inch Freezer Models); 3.6 Kg / 7.9 lb (10 inch Standard Models); 4.7 Kg / 10.4 lb (12 inch Standard Models)
VIDEO OUTPUT	
VOICE SUPPORT	
WEIGHT	

## SAFETY &amp; REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use.
CERTIFICATIONS	Certified for CE/FCC; RoHS compliant
REGULATORY	US, Canada, EU countries

## SOFTWARE

CONFIGURATION & MAINTENANCE	WEC7: Datalogic DXU, DDU, SDK, SureFox Locked Browser; WEC7: Wavelink Avalanche pre-installed and pre-licensed; Win7/10: Datalogic Aladdin™ pre-loaded Datalogic Windows CE SDK™ Wavelink Terminal Emulation™ pre-installed and pre-licensed (WEC7 models)
DEVELOPMENT	Includes QWERTY layouts for English, German, Italian, Spanish, Polish; Azerty French layout;
TERMINAL EMULATION	Function Key layout (F1-F12)
SOFT KEYBOARDS	

## SYSTEM

OPERATING SYSTEM	WEC7, Windows Embedded Standard 7 or Windows 10 IoT Enterprise 64 bit
PROCESSOR	Freescale NXP ARM Quad Core: 1 GHz (WEC7 Standard models); 800 MHz (WEC7 Freezer models); Intel Atom E3826 Dual Core 1.46 GHz (Win7/10)
MEMORY	WEC7: 1 GB RAM; Win7/10: 4 GB RAM
STORAGE	WEC7: 32 GB SDHC; Win7/10: 32 GB CFast SSD

## WARRANTY

WARRANTY	1-Year Factory Warranty
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## ACCESSORIES

## PowerScan 9000 Series



Tethered / Cordless Models  
via cradle and Bluetooth

## Mounting Accessories



- 94ACC0154 10 degree mounting bracket for vehicles
- 94ACC0155 Keyboard mount for external keyboard



- 94ACC0034 RAM Mount with round base for Rhino Vehicle Mount Computers

## External Keyboards



- 95ACC1331 External Keyboard, ABCD layout



- 95ACC1330 External Keyboard, QWERTY layout