RHINO II™

◇DATALOGIC

12" Rhino II

10" Rhino II

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, Windows 10 IoT Enterprise operating systems, as well as Android 7.1 Nougat. 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.

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FEATURES

- Choice of Microsoft Operating Systems or Android™ 7.1
- 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)
- SOTI Mobicontrol and Wavelink Avalanche Agents pre-installed on Android models
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY – APPLICATION

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

In-Position Technologies

RHINO II™

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 ºC / 32 to 122 ºF Battery operating: -20 to 50 ºC / -4 to 122 ºF
Power Supply	Choice of 12 VDC; 24/48 VDC isolated internal power supplies; Android models use 12-48 VDC
Light Indicator	On front bezel

ENVIRONMENTAL

Humidity	10 to 90% at 40 ºC / 104 ºF; non-condensing
Temperature	Operating: -20 to 55 ºC / -4 to 131 ºF (without heater, Capacitive models); -30 to 55 ºC / -22 to 131 ºF (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)

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Certification	Certified for CE/FCC; RoHS compliant

WARRANTY

Warranty	1-Year Factory Warranty

PHYSICAL CHARACTERISTICS

Construction	Coated aluminum, no fan design
Dimensions	10 inch: 27.8 x 22.3 x 6.4 cm / 10.9 x 8.8 x 2.5 in 12 inch: 32.4 x 25.1 x 7.1 cm / 12.7 x 9.9 x 2.8 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
Function Buttons	4 programmable keys (S1-S4)
Mounting	VESA: 75 mm pattern
Screen Blanking	Optional
Speakers	Optional: downward facing, waterproof
Touchscreen	Resistive, 4 Wire (WEC7/Freezer model only); Capacitive (all OS); 3 mm, non-reflecting, hardened glass; Gloves support
Video Output	1 x HDMI port (top) [Win7/10 only]
Voice Support	Wireless via Bluetooth v4 (Win7/10 only)
Weight	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)

SOFTWARE

Configuration and Maintenance	**WEC7:** Datalogic DXU, DDU, SDK, SureFox Locked Browser; Wavelink Avalanche pre-installed and pre-licensed; **Android 7.1:** SureLock and SureFox pre-licensed; SOTI MobiControl, Wavelink Avalanche agents available; **Win7/10:** Datalogic Aladdin™ pre-loaded
Development	Datalogic Windows CE SDK
Terminal Emulation	Wavelink Terminal Emulation™ pre-installed and pre-licensed (WEC7 models); Android: Wavelink Velocity TE and StayLinked Smart TE clients available
Soft Keyboards	Includes QWERTY layouts for English, German, Italian, Spanish, Polish; Azerty French layout; Function Key layout (F1-F12)

SYSTEM

Operating System	Windows Embedded Compact 7, Windows Embedded Standard 7 or Windows 10 IoT Enterprise 64 bit; Android 7.1 Nougat
Processor	Freescale NXP ARM Quad Core: 1 GHz (WEC7 Standard models/Android 7.1); 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; **Android 7.1:** 2 GB RAM
Storage	**WEC7:** 32 GB SDHC; **Android 7.1:** 8 GB eMMc; **Win7/10:** 32 GB CFast SSD; SD Slot: used for WEC7 OS; other OS can use for additional storage.

ACCESSORIES

PowerScan 9000 Series

- Tethered / Cordless Models via cradle and Bluetooth
- 94ACC0154 10 degree mounting bracket for vehicles
- 94ACC0155 Keyboard mount for external keyboard
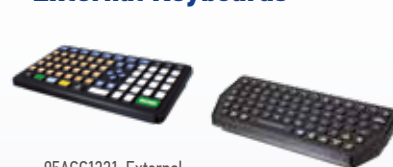
Mounting Accessories

- 94ACC0034 RAM Mount with round base for Rhino Vehicle Mount Computers
- SD9030 Dongle for Datalogic STAR cordless systems

External Keyboards

- 95ACC1331 External Keyboard, ABCD layout
- 95ACC1330 External Keyboard, QWERTY layout

DATALOGIC PRODUCT OFFERING

Sensors | Hand Held scanners | Mobile Computers | Laser Marking Systems | Safety Laser Scanner | Vision Systems | Stationary Industrial Scanners | Safety Light Curtains