

# Product Description



**Product:** Rhino II™ VMC

**Expected General Availability (EU):**

September 29, 2017

**Product Bulletin:** PB20170928

**Expected General Availability (NA):**

October 30, 2017

**Expected Public Announcement:**

October 10, 2017

## RHINO II™ YOUR RUGGED AND RELIABLE SOLUTION FOR LOGISTICS

### OVERVIEW

Datalogic is pleased to announce our next generation Vehicle Mount Computer, the Rhino II! Targeted at warehouse and factory forklift applications, in-vehicle applications requiring a rugged computer, and even fixed applications on the factory floor where a rugged and sealed device is mandatory. The Rhino II VMC is designed and manufactured in Germany for the ultimate in quality and reliability.

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 the use of gloves.

Rhino II VMC is available in a wide array of models to fit almost any requirement:

- **Display Size:** 10" and 12"
- **Display Type:** Capacitive and Resistive (for freezer applications)
- **Operating Systems:** Windows Embedded Compact 7 (WEC7), Windows Embedded Standard 7, Windows 10 IoT Enterprise, and Android™ 6 (Q1 2018)
- **Voltage:** 12 VDC, 24-48 VDC, 110/230 VAC configurations available (72 and 80 VDC also supported via external power converter)
- **Backup Battery Option:** UPS provides up to 30 minutes of use when external power is lost
- **Accessories:** Wide assortment of mounting options, keyboards and scanners available



## FEATURES AND BENEFITS

PRODUCT FEATURES	BENEFITS FOR CUSTOMER
Choice of Microsoft and Android™ Operating Systems	The largest offer of operating system alternatives allows the customer to choose the one that best fits their requirements (Android 6 coming soon).
10 inch or 12 inch high resolution color display	The large 10 inch and 12 inch displays offer a clear and precise view under most any conditions.
Anti-glare multi-touch screen, with gloves support	Capacitive models offer 3 mm armored glass to radically reduce touchscreen failures. Anti-glare treatment allows use of the Rhino VMC both indoors and out. Support for gloves allows further flexibility in freezers and harsh conditions.
Superior Power Supply for extreme conditions	Isolated and regulated power supplies provide protection with the toughest vehicle conditions. Optional ignition sense and backup battery (UPS) provides further flexibility.
Wi-Fi: 802.11 a/b/g/n, CCX v4 with diversity antennas	2.4 GHz and 5 GHz dual band support along with a custom designed dual plane diversity antenna keeps the Rhino VMC connected under tough conditions.
Bluetooth® v4.0 Wireless Technology	Rhino II VMC supports Bluetooth v4.0, allowing high speed connections to local peripherals.
Wired Ethernet (GbE)	Wired Ethernet provides connectivity where needed for fixed applications.
Sealed to IP65/IP67 protection class	IP65/IP67 sealing protects the device from dust and water in harsh environments.
Freezer Model	A dedicated freezer model allows continuous use in cold storage applications (to -30 °C / -22 °F)
Tethered and cordless bar code scanner support	Connect either a corded or cordless PowerScan™ reader with the optional scanner holder
External ABCD, QWERTY and Software Keyboard Options	Rhino II VMC features an integrated and customizable soft keyboard (in 6 languages). When a physical keyboard is required, an optional keyboard bracket is available with choice of keyboard layouts.

## INTEGRATION

Seamless integration with Datalogic's fixed scanners and/or handheld readers available; 5 VDC and 12 VDC output available on serial ports; 2 USB ports available.



## TARGET INDUSTRY APPLICATIONS

- **Warehousing and Distribution:** Inventory, Picking, Shipping/Receiving, Put away, Cross docking
- **Transportation & Logistics:** Including cold storage and harsh outdoor environments
- **Manufacturing Shop Floor:** Process control, quality control
- **Public Safety:** In-vehicle applications

## PRODUCT INFORMATION

PART NUMBER	DESCRIPTION - 10" MAIN DEVICES	AVAILABILITY
943200001	10" Resistive Touch with Heater for Cold Storage - <b>24-48 VDC, WEC7</b> Quad Core /1.0 GHz processor, 1GB RAM, 16GB SD Flash, Laird/Summit 50 Series 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: October 16, 2017 NA/ANZ: October 30, 2017
943200002	10" Resistive Touch with Heater for Cold Storage - <b>12 VDC, WEC7</b> Quad Core /1.0 GHz processor, 1GB RAM, 16 GB SD Flash, Laird/Summit 50 Series 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: October 16, 2017 NA/ANZ: October 30, 2017
943200003	10" Blackline, Capacitive Touch - <b>24-48 VDC, WEC7</b> Quad Core/1.0 GHz processor, 1GB RAM, 16GB SD Flash, Laird/Summit 50 Series 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: October 16, 2017 NA/ANZ: October 30, 2017
943200004	10" Blackline, Capacitive Touch - <b>12 VDC, WEC7</b> Quad Core/1.0 GHz processor, 1 GB RAM, 16 GB SD Flash, Laird/Summit 50 Series 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: October 16, 2017 NA/ANZ: October 30, 2017
943200005	10" Blackline, Capacitive Touch - <b>24-48 VDC, Win7 P Embedded</b> Dual Core /1.46 GHz processor, 4GB DRAM, 32 GB CFast, Laird PE15N: 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: September 29, 2017 NA/ANZ: October 30, 2017
943200006	10" Blackline, Capacitive Touch - <b>12 VDC, Win7 P Embedded</b> Dual Core/1.46 GHz processor, 4 GB DRAM, 32 GB CFast, Laird PE15N: 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: September 29, 2017 NA/ANZ: October 30, 2017
943200007	10" Blackline, Capacitive Touch - <b>24-48 VDC, Win10 IoT Enterprise</b> Dual Core /1.46 GHz processor, 4 GB DRAM, 32 GB CFast, Laird PE15N: 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: September 29, 2017 NA/ANZ: October 30, 2017
943200008	10" Blackline, Capacitive Touch - <b>12 VDC, Win10 IoT Enterprise</b> Dual Core /1.46 GHz processor, 4 GB DRAM, 32GB CFast, Laird PE15N: 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	EU: September 29, 2017 NA/ANZ: October 30, 2017

\* Note: Win7 P (Windows Embedded Standard 7) and 12VDC models are "build to order" and require 4-6 week leadtime.



PART NUMBER	DESCRIPTION - 12" MAIN DEVICES	AVAILABILITY:
943200017	12" Blackline, Capacitive Touch - 24-48 VDC, WEC7 Quad Core/1.0 GHz processor, 1 GB RAM, 16 GB SD Flash, Laird/Summit 50 Series 802.11 a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017
943200018	12" Blackline, Capacitive Touch - 12 VDC, WEC7 Quad Core/1.0 GHz processor, 1 GB RAM, 16 GB SD Flash, Laird/Summit 50 Series 802.11a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017
943200019	12" Blackline, Capacitive Touch - 24-48 VDC, Win7 P Embedded Dual Core /1.46 GHz processor, 4 GB DRAM, 32 GB CFast, Laird PE15N: 802.11 a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017
943200020	12" Blackline, Capacitive Touch - 12 VDC, Win7 P Embedded Dual Core/1.46 GHz processor, 4 GB DRAM, 32 GB CFast, Laird PE15N: 802.11 a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017
943200021	12" Blackline, Capacitive Touch - 24-48 VDC, Win10 IoT Enterprise Dual Core /1.46 GHz processor, 4GB DRAM, 32 GB CFast, Laird PE15N: 802.11 a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017
943200022	12" Blackline, Capacitive Touch - 12 VDC, Win10 IoT Enterprise Dual Core/1.46 GHz processor, 4 GB DRAM, 32 GB CFast, Laird PE15N: 802.11 a/b/g/n Wi-Fi, BT 4.0, DC Pwr Cable	October 30, 2017

\* Note: Win7 P (Windows Embedded Standard 7) and 12VDC models are "build to order" and require 4-6 week leadtime.

## ACCESSORY INFORMATION

PART NUMBER	DESCRIPTION - ACCESSORIES	AVAILABILITY
94ACC0154	Vehicle Mounting Bracket - 10 degrees	September 29, 2017
94ACC0172	Fixed Mounting Bracket - 130 degrees	September 29, 2017
94ACC0155	Keyboard External Mounting Bracket (full size keyboard)	September 29, 2017
94ACC0156	Scanner holder (right side)	September 29, 2017
94ACC0157	Screen Blanking RS-232 Cable	September 29, 2017
94ACC0158	24 Key - right side mount keyboard (10 key layout + F1-F6)	September 29, 2017
94ACC0159	Top Cover for LTE WWAN USB & Dual Antennas	September 29, 2017
94ACC0160	Speaker Cable Cover	September 29, 2017
94ACC0173	Cable Cover, 5 poles, w 2.9 m power cable (for quick disconnect)	September 29, 2017
94ACC0174	Cable Cover IP65, with single USB	September 29, 2017
94ACC0161	AC/DC Power Brick, 24 VDC to 110/230 VAC (requires IEC line cord)	September 29, 2017



PART NUMBER	DESCRIPTION - ACCESSORIES (CONT.)	AVAILABILITY
94ACC0163	Antenna, Roof Mount Dome, 4 dBi, 2.4 to 5.9 GHz, top cover, 3 m cable (certified for 10" models only)	October 30, 2017
94ACC0164	UPS Battery Backup with Speaker (requires technician for field installation); Order together with VMC to be installed at the factory.	October 30, 2017
94ACC0165	DC Power Cable, 2.9 meters (included with main unit)	September 29, 2017
94ACC0175	Quick Change V-Mount	September 29, 2017
94ACC1374	Compact External Keyboard, QWERTY layout	Currently available
95ACC1330	External Keyboard, QWERTY layout	Currently available
95ACC1331	External Keyboard, ABCD layout	Currently available
94ACC0034	RAM MOUNT WITH ROUND BASE	Currently available
94ACC0035	RAM MOUNT 4" RAIL BASE	Currently available
94ACC0041	External 72-80 VDC voltage converter	Currently available

## EASEOFCARE CONTRACTS - For both 10" and 12" Models

PART NUMBER	DESCRIPTION	AVAILABILITY
ZSN5RH231	RHINO II, EOFC 5 DAYS, 3 YEARS	September 29, 2017
ZSN5RH2R1	RHINO II, EOFC 5 DAYS, 1 YEAR RENEWAL	September 29, 2017
ZSC2RH231	RHINO II, EOFC 2 DAYS, COMP 3 YRS	September 29, 2017
ZSC2RH2R1	RHINO II, EOFC 2 DAYS ,COMP 1 YR RENEWAL	September 29, 2017

## WHAT'S IN THE BOX - (DEVICE)

- Rhino II Vehicle Mount Computer
- Top cover with dual antenna
- Standard Cable Cover
- DC Power Cable, 2.9 m
- Screw Set for RAM Mount
- Installation Manual



## TRAINING INFORMATION

A new Datalogic Training Center course will be available by the end of October, 2017 for the Rhino II VMC. The Training Center provides a self-paced, online training program, covering the functions, features and competitive advantages of the Rhino II device. To access the Training Center, visit this link: <http://training.datalogic.com>.

## COMPETITIVE ANALYSIS

FEATURE	Datalogic Rhino II 10"/12"	Zebra VC80	DLoG V7210	Honeywell Thor VM2
Architecture	Intel Atom E3826 Dual Core 1.46 GHz <i>or</i> Freescale NXP ARM Quad Core 1.0 GHz	Intel E3825 Dual Core 1.33 GHz <i>or</i> E3845 Quad Core 1.91 Ghz	Intel® ATOM™ E3845 Quad Core 1.91 GHz	Intel Atom Z530 Dual Core 1.6 GHz
Operating System	<ul style="list-style-type: none"> <li>· Windows Embedded Compact 7 (WEC7)</li> <li>· Windows Embedded Standard 7</li> <li>· Windows 10 IoT Enterprise</li> <li>· Android 6.0</li> </ul>	<ul style="list-style-type: none"> <li>· Windows Embedded Standard 7</li> <li>· Windows 7 Professional</li> <li>· Windows 10 'Ready'</li> </ul>	<ul style="list-style-type: none"> <li>· Windows 7 Pro/WES7</li> <li>· Windows 10 IoT</li> <li>· Linux</li> <li>· Android</li> </ul>	<ul style="list-style-type: none"> <li>· Windows CE6.0</li> <li>· Windows Embedded Standard 7</li> <li>· Windows 7 Pro</li> </ul>
Display and Touchscreen	Capacitive Multi-Touch: 10.4 or 12.1" XGA 1024 x 768, 350/500 NITS Armored Glass (Optional Resistive with heater)	Resistive Touch 10.4" XGA 1024 x 768, 400 NITS (1,000 NITS optional)	Capacitive Multi-Touch: 10.4" XGA 1024 x 768, 400 NITS 12.1" XGA 1024 x 768, 500 NITS (Optional Resistive with heater)	Resistive Touch 9.7" XGA 1024 x 768, 400 NITS
Wireless Connectivity	802.11a/b/g/n; CCX v4; <i>Bluetooth</i> 4.0	802.11a/b/g/n/ac <i>Bluetooth</i> v2.1 EDR (BT 4.0 Ready)	802.11a/b/g/n, <i>Bluetooth</i> optional	802.11a/b/g/n, CCX
Sealing	IP65/IP67	IP66	IP66	IP66
Interfaces	1 x Ethernet GbE; 2 x USB 2.0 / 1x USB 3.0 2 x RS-232; 5/12 VDC	1 x Std USB port 1 x powered USB port 2 x RS-232 serial ports Optional Ethernet	1 x Ethernet GbE; 4 x USB 2.0 2 x RS-232; 5VDC	1x USB 2.0 1x USB 1.1 2x RS-232 (powered) 1x CAN-bus port
Storage Memory	32 GB SDHC (WEC7) 32 GB SSD (Win7/10)	32 GB SSD	4 GB Cfast (more as option)	1 GB (CE 6.0); 2 GB (Win7)
Power Supply	12/24/48 VDC isolated internal power supply UPS Optional	12-48VDC UPS Available	12/24/48 VDC UPS Optional	10-60 VDC isolated
Operating Temp.	-20 to 55C / -4 to 131F <i>or</i> -30 to 55C / -22 to 131F	-30~50C / -22~122F	-30° to 50C / -22° to 122F	-20 to 50C / -4 to 122F



## GEOGRAPHICAL AVAILABILITY

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Rhino II will be available as fully certified in the following countries/regions upon the general availability dates specified above:

- E.U.
- USA and Canada
- Australia and New Zealand

Contact the Product Marketing Manager for other country requests.

## FOR MORE INFORMATION

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- Product Marketing Manager
- VP of Mobile Product Marketing
- EMEA Customer Service Manager
- Americas Customer Service Manager
- APAC Customer Service Manager
- Technical Support Manager

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