MC3330R
Product Comparison

What's new in the MC3330R?

Advanced Android platform

Android Nougat — proven, future-ready OS

More memory for superior app performance and future-proofing

Faster 1.8 GHZ hexa-core processor

Unmatched value with Mobility DNA applications, utilities and developer tools

Superior RFID performance

Zebra's high-performance ASIC-based radio delivers a read rate that is more than 25% faster and 40% more accurate than other devices in its class*

Better read range and performance than prior generation MC3190-Z handheld

Common, easy to use development tools

Single RFID software development kit across the Zebra RFID handheld portfolio

Shares EMDK with Zebra non-RFID mobile computers

New EMDK and RFID SDK for Xamarin simplifies full-fleet roll-outs and enables faster, more cost-effective development

More value with more advanced features

Large 4-inch display with choice of three keypads

Superior ergonomics — easier to carry for all-day comfort

Increased drop and tumble specs

High capacity PowerPrecision+ battery — lasts more than five hours, advanced health metrics

Faster wireless with dual-band 802.11ac

* Based on Zebra test results from specific use cases.

WHAT IS THE MC3330R?

Continuing Zebra's industry-leading legacy in RFID, the new MC3330R combines superior RFID read performance and an advanced Android platform. With Zebra's signature rugged design, the MC3330R is built for maximum uptime, yet is lightweight with the right ergonomics for all-day comfort. The result? A new level of comfort, speed, ease of use and accuracy to meet your RFID applications — today and tomorrow.

Feature Comparison: MC3330R vs. MC3190-Z

Feature	MC3330R	MC3190-Z
RFID Performance		
Fastest Read Rate	900+ tags/sec	220 tags/sec
Computing Platform		
Operating System	Android 7.0 Nougat	Windows Embedded Handheld 6.5
Processor	1.8 GHz hexa-core 64-bit	624 MHz
Memory	4GB RAM/32GB Flash	256MB RAM/1GB Flash
WLAN	802.11a/b/g/n/ac/d/h/i/k/r/w	802.11a/b/g
Battery	5200 mAh with fast charging support, PowerPrecision+	4800 mAh
Mobility DNA	Yes: Mobility DNA offers a combination of productivity, management, development and visibility tools.	No
Physical		
Dimensions	6.45 in. x 2.95 in. x 8.31 in. 164 mm x 75 mm x 211 mm	7.6 in. x 4.7 in. x 6.4 in. 193 mm x 119 mm x 162 mm
Weight	665 g/23.4 oz.	650 g/22.9 oz.
Display	4 in. WVGA color capacitive touchscreen	3 in. QVGA color touchscreen
Keypad	47-key Alpha-Numeric, 29-key Numeric, 38-key Function Numeric	48-key Alpha-Numeric, 28-key Numeric
Environmental		
IP Sealing	IP54	IP54
Drop Spec	5 ft./1.5 m drops to concrete over entire operating temperature range	4 ft./1.2 m drops to concrete over entire operating temperature range; 5 ft./1.5 m drops at ambient temperature 73°F/23° C
Tumble Spec	1,000 1.6 ft./0.5 m tumbles	500 1.6 ft./0.5 m tumbles
Operating Temperature	-4° F to 122° F/-20° C to 50° C	14° F to 122° F/-10° C to 50° C