

Overview

At A Glance

- The HP Retail Integrated peripheral options compatible with the HP RP9 Retail System can be purchased and installed separately:
 - HP Retail Integrated Encryption Capable MSR
 - HP Retail Integrated Fingerprint Reader
 - HP Retail Integrated Webcam
 - HP Retail Integrated Barcode Scanner, side mount and bottom mount options
 - Customer-facing 2 line LED Display (2x20); supports complex and non-complex characters
 - Customer-facing 7" Diagonal Non-Touch LCD Display
- HP 3-year Limited Warranty

Retail Integrated Peripherals

HP RP9 Integrated 7-inch Non-Touch Customer Facing Display



Top mount and Bottom Mount Options

Models	HP RP9 Integrated 7" NT CFD Btm w/Arm	N3R59AA / M7E27AV
	HP RP9 Integrated 7" NT CFD Top w/Arm	P5A56AA / M7E28AV
Display type	LCD, LED Backlit	
Brightness	250 cd/m2	
Dimensions	183.8*121.6mm	
	7 Inch	
Temperature Range	Operating:	32° to 104° F (0 to 40° C) at 20% to 85% humidity (non-condensing at ambient)
	Non-operating:	32° to 122° F (0° to 50° C) at 5% to 90% humidity (non-condensing at ambient)
Adjustability	Tilt range of motion: 295 degrees	
Weight	Top mount at 560g, long arm at 639g	
Interface	USB	
Power	Operating voltage	+5VDC, 496mA
	Idle current	+5VDC, 128mA
Compatibility	Product	RP9 G1 Retail System
Operating systems	Windows 10 IoT Enterprise for Retail 64-bit*	
	Windows 10 Professional 64-bit*	
	Windows Embedded 8.1 Industry Pro Retail 64-bit**	
	Windows 8.1 Professional 64-bit**	
	Windows 7 Professional 64-bit**	
	Windows 7 Professional 32-bit**	
	Windows Embedded POSReady 7 64-bit**	
	Windows Embedded POSReady 7 32-bit**	

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

Retail Integrated Peripherals

HP RP9 Retail Ergonomic Stand



Model	HP RP9 Retail Ergonomic Stand	POQ87AA / M7J40AV
Weight	3.62 kg/ 8 lbs	Note: Weight includes power supply
Features	Industry-standard 100mm VESA pattern Concealed power supply Dual-hinge mechanism Built-in cable-management Bolt-down capabilities allow the terminal to be secured to the counter Quick Release mechanism for tool-less removal	

Retail Integrated Peripherals

HP RP9 Retail Compact Stand



Model	P6D70AV
Weight	2.6 kg / 5.7 lbs Note: Weight includes power supply
Features	Industry-standard 100mm VESA pattern External power supply Single-hinge mechanism Built-in cable-management Bolt-down capabilities allow the terminal to be secured to the counter Quick Release mechanism for tool-less removal

Retail Integrated Peripherals

HP RP9 Integrated Side Barcode Scanner



Models:	HP RP9 Integrated Side Barcode Scanner	N3R61AA, M7E29AV Left / M7E30AV Right * March 2016 availability
General	Indicators	Audible and visual read indicators
	Scan direction	Omni-directional
Symbologies	1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
	2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
	Postal codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
	Stacked codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked GS1 DataBar Stacked Omnidirect
Depth of field (Typical)	Code 39: 5 mils	6.5 to 21.0 cm
	Code 39: 20 mils	Up to 50.0 cm
	Data Matrix: 15 mils	4.0 to 25.0 cm
	EAN: 13 mils	5.5 to 39.0 cm
Mechanical	Dimensions (LxWxH)	99.3x51.2x59.8 mm
	Weight	138g
	Adjustability	3° to 90° (Tilt range) -180° to +180° (Swivel range)
	Color	HP Black
Interface/ Connection	Interface	USB 2.0
	Connection	Type A
Power	Voltage (typical)	5.0V +/- 5% supplied by USB
	Current consumption (typical)	150mA
Drivers		Windows Native, OPOS, JPOS

Retail Integrated Peripherals

Operating Systems Compatibility

Windows 10 IoT Enterprise for Retail 64-bit*, **
Windows 10 Professional 64-bit*, ***
Windows Embedded 8.1 Industry Pro Retail 64-bit**
Windows 8.1 Professional 64-bit**
Windows Embedded POSReady 7 64-bit**
Windows Embedded POSReady 7 32-bit**
Windows 7 Professional 64-bit**
Windows 7 Professional 32-bit**

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

Retail Integrated Peripherals

HP RP9 Integrated Barcode Scanner - Bottom



Models:	HP RP9 Integrated Barcode Scanner - Bottom	N3R60AA / M7E32AV (Bottom) <i>* March 2016 availability</i>
General	Indicators	Audible and visual read indicators
Symbologies	Scan direction	Omni-directional
	1D / Linear Codes	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
	2D Codes	Aztec Code; China Han Xin Code; Data Matrix MaxiCode; Micro QR Code; QR Code
	Postal codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
	Stacked codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirect.
Depth of field (Typical)	Code 39: 5 mils	6.5 to 21.0 cm
	Code 39: 20 mils	Up to 50.0 cm
	Data Matrix: 15 mils	4.0 to 25.0 cm
	EAN: 13 mils	5.5 to 39.0 cm
Mechanical	Dimensions (LxWxH)	80x52.5x41.37 mm
	Weight	88.8g
	Adjustability	from 0° to 20°
	Color	HP Black
Interface/ Connection	Interface	USB 2.0
	Connection	Type A
Power	Voltage (typical)	5.0V +/- 5% supplied by USB
	Current consumption (typical)	150mA

Retail Integrated Peripherals

Drivers	Windows Native, OPOS, JPOS
Operating Systems	Windows 10 IoT Enterprise for Retail 64-bit*,***
Compatibility	Windows 10 Professional 64-bit*,**
	Windows Embedded 8.1 Industry Pro Retail 64-bit**
	Windows 8.1 Professional 64-bit**
	Windows 7 Professional 64-bit**
	Windows 7 Professional 32-bit**
	Windows Embedded POSReady 7 64-bit**
	Windows Embedded POSReady 7 32-bit**

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

HP RP9 Integrated Fingerprint Reader



Model	HP RP9 Integrated Fingerprint Reader	N3R64AA / M7E36AV (Right)/ M7E31AV (Left)
General	Scan Data	8-bit grayscale (256 levels of gray)
	Pixel resolution	508 DPI
	Scan capture area	18mm x 12.80mm
Mechanical	Dimensions (LxWxH)	59x63.23x37.43 (mm)
	Weight	44.8g
	Color	HP Black
Interface/Connection	Interface	USB 2.0
Power	Supply Voltage	5.0V ±5% supplied by USB
	Supply Current Imaging mode	80 mA @ 3.3V

Retail Integrated Peripherals

	Supply Current Sleep mode	1350 uA @ 3.3V
Environmental	Temperature	- 20 C to + 70 C
	Humidity	5% to 93% RH w/o condensation
Drivers		Windows Native
Operating Systems	Compatibility	Windows 10 IoT Enterprise for Retail 64-bit*,*** Windows 10 Professional 64-bit*,*** Windows 8.1 Professional 64-bit** Windows Industry 8.1 Pro Retail 64-bit** Windows 7 Professional 64-bit** Windows 7 Professional 32-bit** Windows Embedded POSReady 7 64-bit** Windows Embedded POSReady 7 32-bit** Ubuntu 12.04/13.04/14.04

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

HP RP9 Integrated 2x20 Display (Complex and Non-Complex)



Models:	HP RP9 Integrated 2x20 Display Btm w/Arm	N3R58AA /M7E25AV
	HP RP9 Integrated 2x20 Display Top w/Arm	P5A55AA /M7E26AV
Display type	LCD, LED Backlit	
Brightness	250 nit	

Retail Integrated Peripherals

Character Number	2x20	
Viewing Angle	45°	
Dimensions	mm	150.0 (L) * 34.9(w) * 6.4(H)
	Inches	5.5
Temperature Range	Operating:	32° to 104° F (0 to 40° C) at 20% to 85% humidity (non-condensing at ambient)
	Non-operating:	32° to 122° F (0° to 50° C) at 5% to 90% humidity (non-condensing at ambient)
Adjustability	Horizontal Rotation Max 355°	
Weight	top mount arm at 379g, long arm at 476g	
Interface	USB	
Power	Operating voltage	+5VDC
	Idle current	230mA
	Full Load Current	300mA
Drivers	Windows Native	
Compatibility	Product	HP RP9 G1 Retail System
Operating systems	Windows 10 IoT Enterprise for Retail 64-bit*.***	
	Windows 10 Professional 64-bit*,***	
	Windows Embedded 8.1 Industry Pro Retail 64-bit**	
	Windows 8.1 Professional 64-bit**	
	Windows 7 Professional 64-bit**	
	Windows 7 Professional 32-bit**	
	Windows Embedded POSReady 7 64-bit**	
	Windows Embedded POSReady 7 32-bit**	

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

Retail Integrated Peripherals

HP RP9 Integrated Single-Head MSR



Models	HP RP9 Integrated Single-Head MSR	N3R63AA / M7E33AV (Left) M7E34AV (Right)
General	Magnetic stripe formats	ISO 7811, AAMVA
	Card thickness	0.015 to 0.045 in (0.38 to 1.14 mm)
	Indicators	Bi-Colored LED, beeper
Mechanical	Dimensions (LxWxH)	129x70.74x36.52 (mm)
	Weight	112.0g
	Slot width	0.045 in (1.14 mm)
	Color	HP Black
Interface/Connection	Interface	USB 2.0
	Connection	Type A
Power	Voltage (typical)	5 VDC +/- 10%, 50mV ripple max
	Current consumption (typical)	40mA max
Drivers		Windows native, OPOS, JPOS
Operating Systems	Compatibility	Windows 10 IoT Enterprise for Retail 64-bit*,*** Windows 10 Professional 64-bit*,*** Windows Industry 8.1 Pro Retail 64-bit** Windows 8.1 Professional 64-bit** Windows 7 Professional 64-bit** Windows 7 Professional 32-bit** Windows Embedded POSReady 7 64-bit** Windows Embedded POSReady 7 32-bit**

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

Retail Integrated Peripherals

HP RP9 Integrated Webcam



Models:	HP RP9 Integrated Webcam	POQ86AA / M7E35AV
General	CMOS Sensor	2M
	Resolution	1920 X 1080
	Image Control	AE, AWB, AGC, Brightness, Contrast, Hue, Saturation, Sharpness, Backlight Comp, Power-Line Frequency, Gamma, White balance and Gain
Field of View	77.5°	
Focus Distance	50cm	
Focus Range	31cm-135cm	
Microphone	X 2	
Mechanical	Dimensions (LxWxH)	125x48.76x39.6 (mm)
	Weight	53.2g
	Color	HP Black
Interface/Connection	Interface	USB 2.0
Power	Voltage (typical)	693 mW
	Current consumption (typical)	200 mA
Drivers		Windows Native
Operating Systems	Compatibility	Windows 10 IoT Enterprise for Retail 64-bit*,*** Windows 10 Professional 64-bit*,*** Windows 8.1 Professional 64-bit** Windows Industry 8.1 Pro Retail 64-bit** Windows 7 Professional 64-bit** Windows 7 Professional 32-bit** Windows Embedded POSReady 7 64-bit** Windows Embedded POSReady 7 32-bit**

* Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>

Retail Integrated Peripherals

** Not all features are available in all editions of Windows. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows functionality. See <http://www.microsoft.com>.

*** Full support on all x86-based Windows, NO current support drivers for ARM processor platforms.

Summary of Changes

Date of change:	Version History:		Description of change:
		From v1 to v2	

Copyright © 2016 HP Development Company, L.P

All rights reserved. Microsoft, Windows, Windows 7, Windows 8, and Windows 10 are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. Intel®, Celeron®, Pentium® and Core™ are registered trademarks or trademarks of Intel Corporation in the U.S. and/or other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Bluetooth® is a registered trademark of its proprietor and used by HP Inc. under license. ENERGY STAR is a registered trademark owned by the U.S. Environmental Protection Agency.

The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.