

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
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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/m ²	
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**	

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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
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 Connection	USB 2.0 Type A
Power	Voltage (typical)	5.0V +/- 5% supplied by USB
	Current consumption (typical)	150mA
Drivers		Windows Native, OPOS, JPOS
Operating Systems Compatibility		Windows 10 IoT Enterprise for Retail 64-bit*, **

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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**

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Retail Integrated Peripherals

HP RP9 Integrated Barcode Scanner - Bottom



Models:	HP RP9 Integrated Barcode Scanner - Bottom	N3R60AA / M7E32AV (Bottom)
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)	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

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 7 Professional 64-bit**

Windows 7 Professional 32-bit**

Windows Embedded POSReady 7 64-bit**

Windows Embedded POSReady 7 32-bit**

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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

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	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

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



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

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Character Number	2x20						
Viewing Angle	45°						
Dimensions	<table border="0"> <tr> <td>mm</td> <td>150.0 (L) * 34.9(w) * 6.4(H)</td> </tr> <tr> <td>Inches</td> <td>5.5</td> </tr> </table>	mm	150.0 (L) * 34.9(w) * 6.4(H)	Inches	5.5		
mm	150.0 (L) * 34.9(w) * 6.4(H)						
Inches	5.5						
Temperature Range	<table border="0"> <tr> <td>Operating:</td> <td>32° to 104° F (0 to 40° C) at 20% to 85% humidity (non-condensing at ambient)</td> </tr> <tr> <td>Non-operating:</td> <td>32° to 122° F (0° to 50° C) at 5% to 90% humidity (non-condensing at ambient)</td> </tr> </table>	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)		
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	<table border="0"> <tr> <td>Operating voltage</td> <td>+5VDC</td> </tr> <tr> <td>Idle current</td> <td>230mA</td> </tr> <tr> <td>Full Load Current</td> <td>300mA</td> </tr> </table>	Operating voltage	+5VDC	Idle current	230mA	Full Load Current	300mA
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**						

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Retail Integrated Peripherals

HP Retail Integrated 2x20 Display without Arm (Complex and Non-Complex)



Models:	HP RP9 Integrated 2x20 Display without Arm	X3K01AA /X1H17AV
Display type	LCD, LED Backlit	
Brightness	250 nit	
Character Number	2x20	
Viewing Direction	12 O'Clock	
Viewing Area (L x W)	14.48 x 2.24 cm	
Active Area (L x W)	14.27 x 1.98 cm	
Dimensions (L x W x H)	cm	21.75 x 6.00 x 3.93 cm
	Inches	8.56 x 2.36 x 1.55 in
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	None	
Weight	top mount arm at 245g, and 400g with packaging	
Interface	USB	
Power	Operating voltage	+5VDC
	Idle current	230mA
	Full Load Current	300mA
Drivers	Windows Native	
Compatibility	Product	HP RP9 G1 Retail System

Retail Integrated Peripherals

Operating systems

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

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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

Retail Integrated Peripherals

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**

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HP RP9 Integrated Dual-Head MSR



Models

HP RP9 Integrated Dual-Head MSR

Y3U27AA / Y5H53AV (Left)

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)

152.61 x 39.49 x 39.91 (mm)

Weight

187g

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

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	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 Linux Redhat SUSE

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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

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	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**		

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Summary of Changes

Date of change:	Version History:		Description of change:
August 15, 2016	From v1 to v2	Added	HP RP9 Integrated Dual-Head MSR, and HP Retail Integrated 2x20 Display (complex and non-complex)
November 14, 2016	From v2 to v3	Added	part #X1H17AV in HP Retail Integrated 2x20 Display without Arm
February 22, 2017	From v3 to v4	Removed	note "March 2016 availability" from Integrated Side Barcode Scanner, N3R58AA, N3R60AA / M7E32AV part numbers

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