

### 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

<b>Models</b>	HP RP9 Integrated 7" NT CFD Btm w/Arm	N3R59AA / M7E27AV
	HP RP9 Integrated 7" NT CFD Top w/Arm	P5A56AA / M7E28AV
<b>Display type</b>	LCD, LED Backlit	
<b>Brightness</b>	250 cd/m <sup>2</sup>	
<b>Dimensions</b>	183.8*121.6mm	
	7 Inch	
<b>Temperature Range</b>	<b>Operating:</b>	32° to 104° F (0 to 40° C) at 20% to 85% humidity (non-condensing at ambient)
	<b>Non-operating:</b>	32° to 122° F (0° to 50° C) at 5% to 90% humidity (non-condensing at ambient)
<b>Adjustability</b>	Tilt range of motion: 295 degrees	
<b>Weight</b>	Top mount at 560g, long arm at 639g	
<b>Interface</b>	USB	
<b>Power</b>	<b>Operating voltage</b>	+5VDC, 496mA
	<b>Idle current</b>	+5VDC, 128mA
<b>Compatibility</b>	<b>Product</b>	RP9 G1 Retail System
<b>Operating systems</b>	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 RP9 Retail Ergonomic Stand



<b>Model</b>	HP RP9 Retail Ergonomic Stand	POQ87AA / M7J40AV
<b>Weight</b>	3.62 kg/ 8 lbs	
	<b>Note:</b> Weight includes power supply	
<b>Features</b>	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	

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### Retail Integrated Peripherals

#### HP RP9 Retail Compact Stand



<b>Model</b>	P6D70AV
<b>Weight</b>	2.6 kg / 5.7 lbs <b>Note:</b> Weight includes power supply
<b>Features</b>	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

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### Retail Integrated Peripherals

#### HP RP9 Integrated Side Barcode Scanner



<b>Models:</b>	<b>HP RP9 Integrated Side Barcode Scanner</b>	N3R61AA, M7E29AV Left / M7E30AV Right
<b>General</b>	<b>Indicators</b>	Audible and visual read indicators
	<b>Scan direction</b>	Omni-directional
<b>Symbologies</b>	<b>1D / Linear Codes</b>	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
	<b>2D Codes</b>	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code
	<b>Postal codes</b>	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Korea Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
	<b>Stacked codes</b>	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked GS1 DataBar Stacked Omnidirect
<b>Depth of field (Typical)</b>	<b>Code 39: 5 mils</b>	6.5 to 21.0 cm
	<b>Code 39: 20 mils</b>	Up to 50.0 cm
	<b>Data Matrix: 15 mils</b>	4.0 to 25.0 cm
	<b>EAN: 13 mils</b>	5.5 to 39.0 cm
<b>Mechanical</b>	<b>Dimensions (LxWxH)</b>	99.3x51.2x59.8 mm
	<b>Weight</b>	138g
	<b>Adjustability</b>	3° to 90° (Tilt range) -180° to +180° (Swivel range)
	<b>Color</b>	HP Black
<b>Interface/Connection</b>	<b>Interface Connection</b>	USB 2.0 Type A
<b>Power</b>	<b>Voltage (typical)</b>	5.0V +/- 5% supplied by USB
	<b>Current consumption (typical)</b>	150mA
<b>Drivers</b>		Windows Native, OPOS, JPOS
<b>Operating Systems Compatibility</b>		Windows 10 IoT Enterprise for Retail 64-bit*, **

### Retail Integrated Peripherals

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



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



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



### Retail Integrated Peripherals

<b>Environmental</b>	<b>Supply Current Sleep mode</b>	1350 uA @ 3.3V
	<b>Temperature</b>	- 20 C to + 70 C
	<b>Humidity</b>	5% to 93% RH w/o condensation
<b>Drivers</b>		Windows Native
<b>Operating Systems</b>	<b>Compatibility</b>	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)



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

### Retail Integrated Peripherals

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



<b>Models:</b>	HP RP9 Integrated 2x20 Display without Arm	X3K01AA /X1H17AV
<b>Display type</b>	LCD, LED Backlit	
<b>Brightness</b>	250 nit	
<b>Character Number</b>	2x20	
<b>Viewing Direction</b>	12 O'Clock	
<b>Viewing Area (L x W)</b>	14.48 x 2.24 cm	
<b>Active Area (L x W)</b>	14.27 x 1.98 cm	
<b>Dimensions (L x W x H)</b>	<b>cm</b>	21.75 x 6.00 x 3.93 cm
	<b>Inches</b>	8.56 x 2.36 x 1.55 in
<b>Temperature Range</b>	<b>Operating:</b>	32° to 104° F (0 to 40° C) at 20% to 85% humidity (non-condensing at ambient)
	<b>Non-operating:</b>	32° to 122° F (0° to 50° C) at 5% to 90% humidity (non- condensing at ambient)
<b>Adjustability</b>	None	
<b>Weight</b>	top mount arm at 245g, and 400g with packaging	
<b>Interface</b>	USB	
<b>Power</b>	<b>Operating voltage</b>	+5VDC
	<b>Idle current</b>	230mA
	<b>Full Load Current</b>	300mA
<b>Drivers</b>	Windows Native	
<b>Compatibility</b>	<b>Product</b>	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



<b>Models</b>	<b>HP RP9 Integrated Single-Head MSR</b>	N3R63AA / M7E33AV (Left) M7E34AV (Right)
<b>General</b>	<b>Magnetic stripe formats</b>	ISO 7811, AAMVA
	<b>Card thickness</b>	0.015 to 0.045 in (0.38 to 1.14 mm)
	<b>Indicators</b>	Bi-Colored LED, beeper
<b>Mechanical</b>	<b>Dimensions (LxWxH)</b>	129x70.74x36.52 (mm)
	<b>Weight</b>	112.0g
	<b>Slot width</b>	0.045 in (1.14 mm)
	<b>Color</b>	HP Black
<b>Interface/Connection</b>	<b>Interface</b>	USB 2.0
	<b>Connection</b>	Type A
<b>Power</b>	<b>Voltage (typical)</b>	5 VDC +/- 10%, 50mV ripple max
	<b>Current consumption (typical)</b>	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

### Retail Integrated Peripherals

	<b>Current consumption (typical)</b>	40mA max
<b>Drivers</b>	Windows native, OPOS, JPOS	
<b>Operating Systems</b>	<b>Compatibility</b>	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



<b>Models:</b>	HP RP9 Integrated Webcam	POQ86AA / M7E35AV
<b>General</b>	<b>CMOS Sensor</b>	2M
	<b>Resolution</b>	1920 X 1080
	<b>Image Control</b>	AE, AWB, AGC, Brightness, Contrast, Hue, Saturation, Sharpness, Backlight Comp, Power-Line Frequency, Gamma, White balance and Gain
<b>Field of View</b>	77.5°	
<b>Focus Distance</b>	50cm	
<b>Focus Range</b>	31cm-135cm	
<b>Microphone</b>	X 2	
<b>Mechanical</b>	<b>Dimensions (LxWxH)</b>	125x48.76x39.6 (mm)
	<b>Weight</b>	53.2g

### Retail Integrated Peripherals

	<b>Color</b>	HP Black
<b>Interface/Connection</b>	<b>Interface</b>	USB 2.0
<b>Power</b>	<b>Voltage (typical)</b>	693 mW
	<b>Current consumption (typical)</b>	200 mA
<b>Drivers</b>		Windows Native
<b>Operating Systems</b>	<b>Compatibility</b>	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

<b>Date of change:</b>	<b>Version History:</b>		<b>Description of change:</b>
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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