

Overview

HP Hybrid Point of Sale (POS) Printer with MICR II



Models

HP Hybrid POS Printer with MICR II

X3D36AA

Overview

Introduction

Get a complete print solution for your CSRs and customers with the HP Hybrid POS Printer with MICR II, a two-in-one design that offers a two-color thermal printer on top for receipts and an impact slip printer on the bottom for inserted forms and checks

Key Benefits

- Print up to 89 lines per second and select 44, 56 or 64 columns of print on 80-mm wide thermal paper that comes in a surprisingly compact large paper roll capacity.
 - Eliminate extra cabling with a printer that is powered by a PUSB connection to your retail system.
 - Rest easy that your IT investment is supported by a three-year standard limited warranty.
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Compatibility

The HP Hybrid POS Printer is compatible with the HP rp5810, rp2, rp7 and rp9 Retail Point of Sale Systems.

NOTE: Not all Point of Sale system models are available in all regions.

Not all HP Cash Drawer models are available in all regions.

This printer does not comply with fiscalization requirements that may be required in certain countries.

Service and Support

Three (3) year limited warranty with advance exchange when purchased from HP. Additional HP Care Pack Services options are available to extend warranty coverage.

Technical Specifications

General

Supported Character Sets Resident Code Pages:

437 (US)
720 (Arabic)*
737 (Greek)
775 (Lithuanian)
850 (Multilingual Latin I)
852 (Latin II)
857 (Turkish)
858 (Multilingual Latin I + Euro)
860 (Portuguese)
862 (Hebrew)
863 (Canadian French)
864 (Arabic)
865 (Nordic)
866 (Russian)
874 (Thai)*
932 (Kanji)*
936 (Simplified Chinese)*
949 (Korean)*
950 (Traditional Chinese)*
1250 (Latin)
1251 (Cyrillic)
1252 (Latin I)
1254 (Turkish)
1255 (Hebrew)
1256 (Arabic)*
1257 (Baltic)
Katakana
KZ_1048 (Kazakh)
28591 (ISO8859-1, Latin 1)
28592 (ISO8859-2, Latin 2)
28594 (ISO8859-4, Latin 4)
28596 (ISO8859-6, Latin/Arabic)*
28599 (ISO8859-5, Latin 5/Turkish)
28605 (ISO8859-15, Latin 9)

NOTE: All code pages marked with an asterisk (*) are only available on the receipt station of the A776II printer.

Bar Codes

1D: UPC-A, UPC-E, Code 39, Code 93, Code 128, Code 128 Extended, JAN8 and JAN13, (EAN), Interleaved 2 of 5, Codabar, EAN 128, GS1 Databar*
2D: QR code*, PDF 417*, Datamatrix*

NOTE: All Bar Codes marked with an asterisk (*) are only available on the receipt station of the A776II printer.

Printing Speed

Receipt Station Monochrome 89 LPS (300 mm/sec)
Receipt Station two-color 40 LPS (150 mm/sec)
Slip Station 4.8 LPS (16 mm/sec)

Auto Cutter

Partial Cut

Cash Drawers

1 connector can drive 2 cash drawers with separately purchased splitter cable (default configuration is connection to 1 cash drawer)

Data Buffer

8k

User memory

8MB Flash memory; shared for graphics, logos, user defined characters and user data storage

Technical Specifications

	Print Method	Receipt Station (Direct Thermal, 203 DPI); Slip Station (9-Pin Impact)
	Character Cell Size	Receipt Station (13 X 24, 10 X 24); Slip Station (7 x 7, 12 x 7, 5 x 9)
	CPI	Receipt Station (15.6, 20.3); Slip Station (13.9 & 16.8)
	Print Columns	Receipt Station (44 & 56); Slip Station: (42 & 51)
	Print Line Width	Receipt Station (2.8 in. (72 mm)); Slip Station (3.02 in. (76.8 mm))
	Paper Type	Direct Thermal, POS Grade(s), special paper for color printing
	Paper Roll (W x D)	3.15 in. X 3.27 in. (80 mm X 83 mm)
	Control Language	Application Compatible Escape Commands
Mechanical	Dimensions (WxDxH)	6.5 in. X 11.4 in. X 6.6 in. (165.10 mm X 289.56 mm X 167.64 mm)
	Weight	Approximately 8 lbs (3.62 kg)
Interface/Connection	Interface	24V Powered USB 24V Cash Drawers support with RJ 12 interface
Power	Voltage	24V DC
	Current consumption (typical)	2.3A (average receipt) 2.0A (average slip) 42mA (idle)
Drivers	Windows native, OPOS, JPOS, USB Serial Emulation (CommClass) Windows drivers are WHQL certified	
Operating Systems	Windows	<ul style="list-style-type: none"> • Windows 10 Pro (64-bit) • Windows 8/8.1 Professional (64-bit) • Windows Embedded Industry 8/8.1 Pro Retail (64-bit) • Windows 7 Professional (32-bit and 64-bit) • Windows Embedded POSReady 7 (32-bit and 64-bit) • Windows Embedded POSReady 2009
	Linux	<ul style="list-style-type: none"> • Red Hat/CentOS 6 and 7 (32-bit and 64 bit) • Suse Linux® Enterprise POS 11 and 12 (32-bit and 64-bit) • Ubuntu 14.04 LTS (32-bit and 64-bit)
Reliability	MCBF Receipt Print Mechanism: 72-million lines BS and two-color 65-million lines MCBF Knife Cuts: 2-million MCBF Slip Print Mechanism: 15-million lines MCBF MICR 200,000 Reads MCBF Receipt Print Head Life: 242 km MCBF Slip Print Head Life: 200-million characters	
Agency Certifications	EMI: ICES-003, VCCI: Class B, FCC Class B EN55022, RoHS, WEEE UL60950, CB: IEC60950	
Option kit contents	HP USB Printer, Starter paper roll, Powered USB cable	

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Technical Specifications

Single or Multiple Forms

The HP Hybrid POS Printer prints on single- or multiple-part forms in the slip station (up to four-part forms). Forms and slips must meet the following requirements:

Front insertion (minimum)	51 mm (2.00") wide 68 mm (2.68") long
Side insertion (minimum)	51 mm (2.0") wide 203 mm (8.0") long
Single-ply forms	should be on paper that is greater than 15 pounds
Multiple-part forms (up to four parts)	should be no thicker than 0.40 mm (0.014") and a minimum thickness of 0.08 mm (0.003")
NOTE: Do not use forms containing holes along the top or right edge.	
Forms for use with flip check (minimum)	63.5 mm (2.5") wide 152 mm (6.00") long

Checks

Check specifications for paper are defined by American Standards ANSI X9.13 and ANSI X9.18, and International Standard ISO 1004.

Minimum check size	70 mm (2.75") wide x 152 mm (6.00") long
Maximum check size	95 mm (3.75") wide x 222 mm (8.75") long

MICR Reader

Character sets/fonts	Fonts E-13B and CMC-7, auto discriminate (Integrated in slip station)
Check Read Rate	99% minimum
Parsing Formats	E-13B only. Programmable to any format

Summary of changes

Date of change:	Version History:		Description of change:
	From v1 to v2		
5/10/2016	V8 to v9		2016 Refresh includes: increase number of lines per second, retail system compatibility, added supported character sets, added supported bar codes, changed typical current consumption, drivers, operating systems
February 20, 2017	From v9 to v10	Added	Lithuanian and Kazakh character sets and footnotes
		Changed	Specs for refresh, OS support, and drivers.
May 3, 2017	From v10 to v11	Changed	OS support

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