

Mi Series

Mi46

Mi410

Mi610

IntelliBar Mi Series PCL Thermal Label Printers

LOWER TOTAL COST OF OWNERSHIP

FLEXIBILITY

QUICK STARTUP

PRINT QUALITY

DURABILITY

IntelliBar Mi Series printers offer the finest print quality and the fastest integration into the widest array of computer systems of any label printer. Simply connect an IntelliBar to your system and begin printing labels with exceptional image quality.



If you can print to an HP LaserJet you can print to an Mi Series IntelliBar printer.

LOWER TOTAL COST OF OWNERSHIP

Widely-supported HP PCL 5e command language means a lower total cost of ownership.

Easily integrates with any contemporary or legacy computer system:

- PC, workstation, mid-range systems, & large systems
- Windows, Linux, UNIX, IBM i Series (OS/400), Mac OSX

Powerful browser based configurator provides secure control of network attached Mi Series printers:

- A centrally located administrator can quickly configure any IntelliBar Mi printer anywhere on your network
- Ensure configuration settings are locked through multi-level password protection
- Multiple user configuration settings can be saved to and recalled from internal FLASH memory

FLEXIBILITY

- Connect directly to a MAC or PC workstation, large system terminal via USB, or connect to an Ethernet network
- Thermal transfer or direct thermal print modes
- Several ribbon types for printing on hundreds of label media types
- Print widths up to 6.83" and print speeds up to 10" per second
- Fan-fold or roll-fed labels
- Several add-on options available
- Over 25 printer resident bar codes and 50 printer resident scalable fonts

QUICK STARTUP

Fast Installation - no middleware, custom coding or custom drivers needed.

PRINT QUALITY

High density, true 300 x 300 dpi (11.8 dots/mm) print resolution for accurate WYSIWYG print quality vs. 12 dot/mm printers and a 50% improvement in image quality over standard 203 dpi printers. Very high density, 600 x 600 dpi (23.6 dpmm) printhead models are available for detailed or small character, high density, 2D barcode printing.

DURABILITY

Designed for 24/7 duty cycle applications with strong, die cast and steel chassis construction, heavy-duty drive mechanism and long life printhead.

Unique Specifications

IntelliBar Mi Series Specifications

PCL Thermal Label Printers

IntelliBar Model No.	Mi46	Mi410	Mi610
Resolution	300 dpi/11.8 dpmm	300 dpi/11.8 dpmm	300 dpi/11.8 dpmm
Max Print Speed	6 ips/152 mm/s	10 ips/254 mm/s	10 ips/254 mm/s
Ribbon Width	1.5 in, 2.36 in, 3.15 in, 4.33 in (38 mm, 60 mm, 80 mm, 110 mm)	1.5 in, 2.36 in, 3.15 in, 4.33 in (38 mm, 60 mm, 80 mm, 110 mm)	2.36 in, 3.15 in, 4.33 in, 5.15 in, 5.98 in, 6.5 in, 6.85 in, 8.66 in (38mm, 60mm, 80mm, 110mm, 130mm, 152mm, 165mm, 174mm, 220mm)
Max Print Width	4.16 in/105.7 mm	4.27 in / 108.5 mm	6.83 in/173.5 mm
Media Print Lengths (Min - Max)	0.25 in - 99.0 in/6.35 mm – 2514.6 mm	0.10 in - 99 in/2.54 mm - 2514.6 mm	0.25 in - 99 in/6.35 mm – 2514.6 mm
Media Thickness (Min - Max) (Media Wound Out)	0.003 in - 0.010 in (0.076 mm – 0.254 mm)	0.003 in - 0.010 in (0.076mm – 0.254mm)	0.003 in - 0.010 in (0.076mm – 0.254mm)
Min-Max Media Width	1 in - 4.65 in (25.44 mm - 118.1 mm)	1 in - 4.65 in (25.44 mm - 118.1 mm)	2 in. - 7.1 in. (50.8 mm - 180.3 mm)
Standard Memory	32MB Flash (4MB user accessible) & 64MB SDRAM	32MB Flash (4MB user accessible) & 64MB SDRAM	64MB Flash (36MB user accessible) & 64MB SDRAM
Weight	41 lbs/19kg	41 lbs/19kg	52 lbs/24kg
Dimensions (WxDxH)	10.8 in x 18.7 in x 11.9 in (274 mm x 475 mm x 302 mm)	10.8 in x 18.7 in x 11.9 in (274 mm x 475 mm x 302 mm)	13.4 in x 18.7 in x 11.9 in (339 mm x 475 mm x 302 mm)
Print Head Pressure Adjustment	Manual	Automatic	Automatic

Common Specifications

Printer

Operating Systems Supported	Windows XP - x86 & x64 Windows 2003 Server – x86 & x64 Windows 2008 Server R2 – x64 Mac OS X 10.3 and later OS400, iSeries (with AFP & HPT)	Windows 7 - x86 & x64 Windows 2008 Server – x86 & x64 Windows 8, 8.1, 10 Windows Server 2012 Linux, UNIX
Printer Command Language	Industry standard HP PCL, HP PCL5e, HP GL/2 and HP XL, printer languages with auto language select in addition to extensions for barcode capabilities. Also provides standard bi-directional host communication capabilities.	
Print Methods	Direct Thermal, Thermal Transfer	
Host Communication Interfaces	10/100 Base-T Ethernet & USB 2.0 device	
Control Panel	QVGA Color graphical touchscreen display	
LEDs	2 LEDs - Power and error	
Real Time Clock	With user replaceable 3 year battery	
Chassis/Media Cover	Die cast and steel construction with plastic front and rear, clear media window	
Home Position Sensor	Double sided top of form sensor adjustable position for label gap, notch and reflective black mark on the bottom or top of form	
Media Supply	Self centering 1", 1.5" or 3" media hubs, 3" Standard	
Media Back Feed	Capable of backing up at least 1 in	
Tear Bar	For tearing off gapped or continuous media	
Media Low Sensor	Provides a user warning when the label media is low, which helps to reduce downtime	
Ribbon Low Sensor	Provides a user warning when the ribbon is low, which helps to reduce downtime	
Fonts	50 printer resident TrueType scalable fonts	
Downloadable Font Types	TrueType, PCL Bitmap (300 dpi), OCR-B, OCR-A	
Barcode Symbolologies	Aztec, Codabar, Code 128 Autoswitch, Code 128 Code Set A, Code 128 Code Set B, Code 128 Code Set C, Code 3 of 9, Code 93, DataMatrix, EAN-13, EAN-8, Extended Code 3 of 9, FIM, GS1 Databar (RSS), GS1-128(UCC/EAN Code 128), HIBC, Interleaved 2 of 5 with a module 10 checksum, & shipping bearer bars, MicroPDF417, PDF-417, Planet, Plessey, Postnet, QR Code – Auto format, Telepen, UPC-A, UPC-E, UPS MaxiCode	
Graphic Support	Full support of PCL5e and GL/2 graphics capability is provided.	
Electrical	Universal (PFC-compliant) power supply 90-264 VAC; 47-63 Hz	
Power Button	Positioned on rear of unit	
Reset button	Recessed on rear of unit for recovery	
Agency Certifications	CFR 47 Part 15 Class A, EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 328 (wifi equipped units), IEC 60950-1 FCC A, ICES-003 A, CE, UL, C/UL, UL Mexico CoC, GOST-R	
Warranty	One year parts and labor limited warranty Print Head: 1 million inches or 1 year, whichever comes first	

User Installable Options

Media Liner Cutter	Capable of cutting .003 in / 0.076 mm to .010 in / 0.254 mm thick media liner only. Not for cutting through the label and adhesive.
Cutter Catch Tray	Catches cut media up to 6 in / 154 mm long. Capacity 100 labels (Not available for Mi610 Series)
Replacement Print Head	Easily replaced by end users
Wireless Module	802.11 b/g WiFi Netgear AC750 External Module

Factory Installable Options

Internal Rewinder with Manual Advance Peel Off	The Rewinder accepts a full 8in roll of media liner only, or 3.5 in / 90 mm roll of media. Peels off one label. The user takes the label and manually prompts the printer to print the next label.
Internal Rewinder with Automatic Advance Peel Off	Includes Rewinder and Media Present Sensor. The rewriter accepts a full 8 in roll of media liner only, or 3.5 in / 90 mm roll of printed media. Peels off one label. After the user takes the label the Present Sensor senses that the label has been taken and the printer automatically prints the next label.
Media Present Sensor	Senses the presence or absence of media (label, tag or ticket) in peel-off or tear-off modes. (Not available for Mi610 Series)
Automatic Label Applicator Interface	Provides a GP I/O and serial port interface between third party automatic label applicators and the printer
Audio Alarm	Gives an audible tone to elevate error or warning conditions and shorten down time. (Not available for Mi46)
Wireless Solution	Third Party: NETGEAR AC750 WiFi Range Extender EX3700

Ribbons

Ribbon Lengths	Wax Ribbons: 1,475 ft. (450 m) Resin Ribbons: 984 ft. (300 m)
Ribbon Types	<ul style="list-style-type: none"> Dura WaxXT for high-speed printing up to 10 inches per second on paper Rugged Wax/ResinXT for smudge resistant printing on paper and some synthetics Dura Wax/ResinXT for highly smudge resistant and scratch resistance printing on some papers and most synthetics Dura Resin PlusXT for chemical, heat and scratch resistance printing on synthetics

Operating Environment

Temperature	Operation F: 32° - 104° (C: 0° - 40°) Storage F: -4° - 140° (C: -20° - 60°)
Humidity	Operation: RH <=20% to 80%, Storage: RH <=35%

Media

Media Gap (Min - Max)	0.125 in - 4.0 in (3.175 mm - 101.6 mm) Can be as low as 0.0625 in (1.588 mm) for lower print speeds
Media Finishing	Standard, tear off, peel off, cut off
Media Form Factor	Roll-fed or fanfold, die cut or continuous media, 8 in / 203 mm roll max outside diameter on 3 in / 76 mm inside diameter core, 1 in / 24.5 mm and 1.5 in / 36.75 mm inside core diameters with optional media hubs.

Printer Drivers

Print Driver (Minimum System Requirements)	Processor/Speed 500 Mhz processor or better RAM 256 MB Hard Drive Space 26 MB
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