

# Medio HF Readers

## HF Readers for Textile Services

HID Textile Services provides a series of HF readers that come in different size and format, depending on the use case.

### MEDIO L40 READER

Provides high detection level performance in a compact and easy to integrate unit. Medio L40 uses advanced Digital Signal Processing (DSP) and RF Front End technology to achieve breakthrough performance in read range and read speed. Featuring RFIDSP technology developed by HID Textile Services, including real-time signal processing algorithm for extracting RFID tag information in noisy background environments, Medio L40 is the ideal reader component to drive your track and trace applications.

### MEDIO L40

Delivered as a kit including a Medio L40 reader, serial cables, USB cable, a universal power supply pack and a Phoenix contact connector 8 points. Available with 4 RF channels, Medio L40 is easy to integrate in complex multiple antenna systems, providing several reading points at a time.

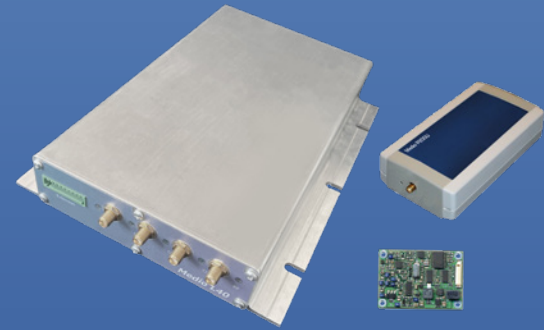
### MEDIO P200-U

A 13.56MHz HF reader for proximity read/write applications. Its small size and affordable price make it an ideal item-level tracking solution for most industrial applications. Medio P200-u is packaged in a light-weight, rugged and ergonomic casing, providing a low cost of ownership RFID solution.

### MEDIO P232 AND P23

Low cost 13.56MHz RFID OEM boards for mid-range read/write applications. These very small boards are easily embedded within a variety of terminals to enable you to deliver an integrated RFID item-level tracking solution that exceeds your customers' expectations. The readers communicate using a RS232 TTL serial communication link up to 115200 bds. They feature improved sensitivity for read range performance compared to previous generations OEM boards.

Combining Medio readers with HID Textile Services' HF antenna and tag portfolio provides a robust HF RFID infrastructure solution for a variety of applications.



### KEY BENEFITS:

- Fixed and handheld formats
- Packaged readers and OEM boards
- Robust with an ergonomic casing

# Medio HF Readers

## KEY TECHNOLOGY HIGHLIGHTS:

- 13.56 MHz
- SMA antenna connection
- 1 to 2 I/O depending on reader type

## TYPICAL APPLICATION AREAS:


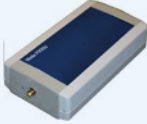

- Industrial laundry
  - Conveyor stations for bulk and on-the-fly identification of RFID-enabled items
  - Handheld devices to inventory RFID-enabled items.

For more information, contact:  
tagsales@hidglobal.com

L40 Reader & Kit

P200u

P232-P233

			
<b>Base Model Number</b>	DDP14861	DDP14046	DDP14042 (Medio P232) DDP14044 (Medio P233)
<b>ELECTRONIC</b>			
<b>Operating Frequency</b>	13.56 MHz		
<b>Chip Compatibility</b>	ISO 15693, ISO 18000-3 Mode 1, Legacy C210 and C220, NXP ICODE 1, NXP SLI-L, NXP SLI-S, ICODE ePC, ICODE UID	ISO 15693, ISO 18000-3 Mode 1, NXP ICODE 1	
<b>Software</b>	Explorer Tool, SDK (Win32, Net, Java), Standole Mode	PxExplorer. SDK: Medio STX DLLs Package & Java Package, Universal SDK (C++/NET)	
<b>Operating Mode</b>	Serial Communication protocol (STX-E) or Standalone mode	Standalone Mode: ASCII Protocol, User configurable. Standard Mode: Serial Communication Protocol (STX-E)	
<b>Communication Interface</b>	Ethernet, USB, RS232	USB	RS232 TTL
<b>Antenna Connection</b>	SMA		
<b>RD Ports</b>	4 (multiplexed)	1	
<b>I/O</b>	2 inputs/2 Outputs	1 input / 1 Output	
<b>Power Supply</b>	24V DC	12V DC	10 to 12V DC
<b>RF Output Power</b>	Variable (up to 5W max)	Max 1W	
<b>PHYSICAL</b>			
<b>Dimensions</b>	9.2 x 6.5 x 1.4 in (235 x 166 x 36 mm)	4.8 x 2.6 x 1.2 in (123 x 68 x 30 mm)	<b>Medio P232:</b> 2.4 x 1.5 x 0.5 in (62 x 40 x 12 mm) <b>Medio P233:</b> 2.4 x 1.5 x 0.3 (62 x 40 x 7 mm)
<b>Weight</b>	1.76 lbs (800 g)	5.3 oz (150 g)	0.46 oz (13 g)
<b>Casing</b>	Bulk Aluminum	ABS	PCB
<b>THERMAL (AIR)</b>			
<b>Operating</b>	32°F to 130°F (0°C to 55°C)		32°F to 185°F (0°C to 85°C)
<b>OTHER</b>			
<b>Additional Features</b>	Included in the Kit : Serial Cables (1.5 m), USB cable, Universal power supply pack (does not include power cord), Phoenix contact connector 8 points Sold separately. Optional: Metallic mounting plate and screws, Crossed FTP cable, Power cords (EU, US), Power supply connector, coaxial SMA/BNC & crossed sub-d9M/M adaptor	Universal power supply pack	P232 is delivered with board to board connector to facilitate plugin on host board



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