

# HexaPad-10

## Experience Unmatched Precision and Efficiency With the Hexapad-10 Desktop UHF Reader



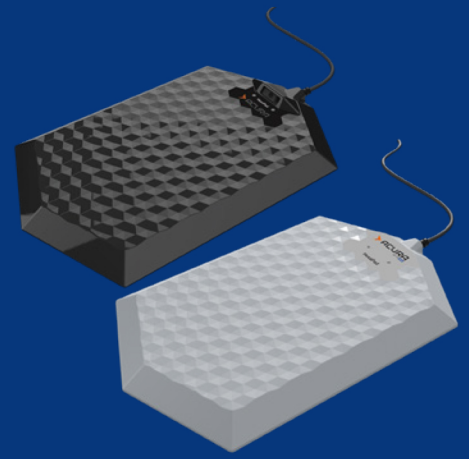
The HexaPad-10 and HexaPad-10 BC are innovative desktop readers that combine UHF RFID technology with the option of an integrated barcode reader.

These readers are powered directly through the computer's USB port or POS and can easily emulate a keyboard to automatically read tags and barcodes in the barcode option.

This feature makes the HexaPad-10 series an ideal choice for businesses that require a practical and versatile UHF RFID and barcode reading solution, such as POS systems.

The reader features two operating modes: Autonomous Mode, designed for automatic readings, and Transparent Mode, which allows for the development of customized applications requiring full control of the reader. User-friendly and highly adaptable, the reader offers extensive configuration options in Autonomous Mode, accommodating nearly any solution requirement. And a unique solution can be created using the available API, enabling the device to be tailored to specific needs.

Overall, the HexaPad-10 and HexaPad-10 BC are highly capable and adaptable readers that provide excellent performance and convenience in a single device.



### KEY FEATURES:

- **Built-in antenna** that restricts unwanted readings
- **Plug-and-play reader** that easily replaces a conventional POS solution
- **Hybrid solution** integrated RFID reader and an optional barcode reader
- **Communication and power** via USB port
- **Desktop reader**

### KEY TECHNOLOGY HIGHLIGHTS:

- Ideal for POS application
- Easy installation and operation
- Communication and power via USB
- Two different working modes: autonomous mode and transparent mode
- A hybrid solution in a single device

### TYPICAL APPLICATION AREAS:

- POS (Point of Sales)
- Asset management
- Hospitals
- Uniform management
- Tag encoding

	HEXAPAD-10	HEXAPAD-10 BC
<b>Base Model Number</b>	100.729 ; 100.730 ; 100.731 (EU) 100.723 ; 100.724 ; 100.725 (US)	100.732 ; 100.733 ; 100.734 (EU) 100.726 ; 100.727 ; 100.728 (US)
	<b>ELECTRONIC</b>	
<b>Regulation</b>	(BR) - 902-907 MHz & 915 - 928 MHz (ANATEL) (US) - 902-928 MHz (FCC) (EU) - 916.3 MHz, 917.5 MHz, 918.7 MHz (CE/RED upper band)	
<b>RF Output power</b>	From 0 to 27 dBm with 0.5 dBm increment	
<b>Reading distance<sup>1</sup></b>	Up to 1.6 ft (50 cm)	
<b>Physical Interface</b>	Communication and Power: USB Type-A male connector	
<b>Communication interface</b>	<b>USB HID keyboard:</b> The reader is recognized by the Operating System (Windows, Mac and Linux) as a HID device. <b>USB Serial CDC:</b> When the reader is connected via USB, a serial port is automatically created on Windows 10, Mac, and Linux operating systems. Windows 7 and 8 need driver installation.	
<b>Programming</b>	<b>Autonomous mode:</b> The reader can be configured via serial communication using ASCII commands through a terminal application (such as Putty, Minicom, or Screen, etc) without the need for an API or SDK. It supports tag read-only functionality. <b>Transparent mode:</b> The reader responds to software using the Mercury API and has tag read and write functionality.	
	<b>POWER</b>	
<b>Operating voltage</b>	5 VDC ± 1% (Host USB port) Maximum ripple from source: 200 m Vpp @ 20 MHz	
<b>Consumption</b>	Max 3.8 W@ 5 VCC   Read power 27 dBm	
	<b>PHYSICAL</b>	
<b>Dimensions</b>	10.63 x 6.89 x 0.59 in (270 x 175 x 15 mm)	
<b>Mounting method</b>	Desktop reader	
<b>Integrated antenna</b>	Patch Near Field Antenna	
<b>Color<sup>2</sup></b>	Black, white or gray	
<b>Weight</b>	484 g / 17 oz / 1 lb	
<b>Cable length</b>	6.6 ft (2 m)	
	<b>CHEMICAL AND MECHANICAL</b>	
<b>IP Rating</b>	Internal use	
<b>Humidity</b>	95%	
	<b>THERMAL</b>	
<b>Storage</b>	+14° to +158° F (-10° to +70° C)	
<b>Operating</b>	+14° to +149° F (-10° to +65° C)	
	<b>BUILT-IN ANTENNA SPECIFICATION</b>	
<b>Frequency range</b>	902 - 928 MHz	
<b>Gain</b>	-4 dBi @920 MHz	
<b>Polarization</b>	Circular (RHCP)	
	<b>BUILT-IN BARCODE READER</b>	
<b>Image sensor</b>	-	640 * 480 CMOS
<b>Symbologies</b>	-	2D: PDF417, QR Code, Data Matrix, Micro QR 1D: EAN-13, EAN-8, UPC-A, UPC-E, Code128, Code 39, Codabar, UCC/EAN128, RSS, ITF-14, ITF6, Standard 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Plessey, MSI Plessey, Code 11, Code 93, etc
<b>Resolution</b>	-	3mil (differ from different type barcodes)
<b>Typical depth of field</b>	-	EAN-13 - 60-350 mm (13 mil); Code39 - 40-150 mm (5 mil); PDF417 - 50-125 mm (6.7 mil); Data Matrix - 45-120 mm (10 mil); QR Code - 30-170 mm (15 mil)
<b>Scan angle</b>	-	Roll: 360°, Pitch: ±60°, Skew: ±60°
<b>Field of view</b>	-	Horizontal 42°, Vertical 31.6°
<b>Minimum symbol contrast</b>	-	25%
	<b>OTHER</b>	
<b>Standards</b>	ISO 18000-6C (EPC Gen2) ISO 18000-63 (EPC Gen2 V2)(Transparent Mode)	
<b>Warranty</b>	2 years	

<sup>1</sup> The reading distance can vary depending on the tag model, usage mode, and environment.

<sup>2</sup> Please select the color at the time of purchase.



Countries			Part Number	Description
Albania	Ireland	Norway	100.729	HexaPad-10 USB UHF Reader Black
Austria	Iceland	Portugal		
Belgium	Italy	Romania	100.731	HexaPad-10 USB UHF Reader Gray
Bulgaria	Liechtenstein	Serbia		
Cyprus	Lithuania	Slovakia		
Czech Republic	Luxembourg	Slovenia	100.730	HexaPad-10 USB UHF Reader White
Denmark	Latvia	Spain		
Estonia	Malta	Sweden	100.732	HexaPad-10 BC USB UHF Reader Black
Finland	Moldova	Switzerland		
France	North Macedonia	United Kingdom	100.734	HexaPad-10 BC USB UHF Reader Gray
			100.733	HexaPad-10 BC USB UHF Reader White
			100.723	HexaPad-10 USB UHF Reader Black
			100.725	HexaPad-10 USB UHF Reader Gray
			100.724	HexaPad-10 USB UHF Reader White
United States of America (USA)			100.726	HexaPad-10 BC USB UHF Reader Black
			100.728	HexaPad-10 BC USB UHF Reader Gray
			100.727	HexaPad-10 BC USB UHF Reader White
			100.629	HexaPad-10 USB UHF Reader Black
			100.624	HexaPad-10 USB UHF Reader Gray
			100.628	HexaPad-10 USB UHF Reader White
Brazil*			100.646	HexaPad-10 BC USB UHF Reader Black
			100.657	HexaPad-10 BC USB UHF Reader Gray
			100.658	HexaPad-10 BC USB UHF Reader White

\* Other brazilian bundles available, please contact us for more information.



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