

HexaPad-10

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



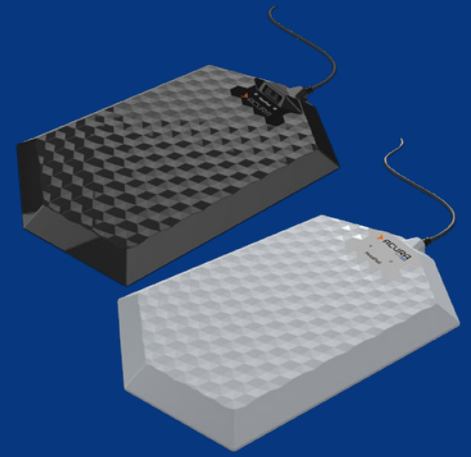
The HexaPad-10 and HexaPad-10 BC UHF RFID desktop readers are innovative and efficient solutions designed for desktop applications. They combine UHF RFID technology with integrated barcode scanning, offering a hybrid solution in the model with an embedded barcode reader.

These readers are powered and communicate directly via the USB port of a computer, ensuring a quick and hassle-free installation.

One of the key differentiators of these readers is their dual operating modes: Autonomous Mode – Enables automatic readings, making the device Plug & Play for seamless use. In this mode, the readers can also emulate a keyboard, automatically sending RFID tag and barcode data. And the Transparent Mode – Ideal for custom application development, providing full control over the reader.

The HexaPad-10 and HexaPad-10 BC stand out for their intuitiveness and high adaptability. In Autonomous Mode, they offer various configuration options, meeting virtually any requirement. Additionally, they feature a robust API, allowing the development of custom solutions tailored to specific applications and customer preferences.

Overall, the HexaPad-10 and HexaPad-10 BC are versatile and efficient devices, delivering exceptional performance, practicality, and convenience in a single solution.



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:

- 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
Base Model Number	100.729 ; 100.730 ; 100.731 (BR) 100.723 ; 100.724 ; 100.725 (USA) 100.729 ; 100.730 ; 100.731 (EU) 100.765 ; 100.766 ; 100.767 (ANZ)	100.646 ; 100.657 ; 100.658 (BR) 100.726 ; 100.727 ; 100.728 (USA) 100.732 ; 100.733 ; 100.734 (EU) 100.768 ; 100.769 ; 100.770 (ANZ)
ELECTRONIC		
Regulation	(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) (ANZ) - 920-926 MHz (ACMA)	
RF Output power	From 0 to 27 dBm with 0.5 dBm increment	
Reading distance¹	Up to 1.6 ft (50 cm)	
Physical Interface	Communication and Power: USB Type-A male connector	
Communication interface	USB HID keyboard: The reader is recognized by the Operating System (Windows, Mac and Linux) as a HID device.	
	USB Serial CDC: 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.	
Programming	Autonomous mode: 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.	
	Transparent mode: The reader responds to software using the Mercury API and has tag read and write functionality.	
POWER		
Operating voltage	5 VDC ± 1% (Host USB port) Maximum ripple from source: 200 m Vpp @ 20 MHz	
Consumption	Max 3.8 W@ 5 VCC Read power 27 dBm	
PHYSICAL		
Dimensions	10.63 x 6.89 x 0.59 in (270 x 175 x 15 mm)	
Mounting method	Desktop reader	
Integrated antenna	Patch Near Field Antenna	
Color²	Black, white or gray	
Weight	484 g / 17 oz / 1 lb	
Cable length	6.6 ft (2 m)	
CHEMICAL AND MECHANICAL		
IP Rating	Internal use	
Humidity	95%	
THERMAL		
Storage	+14° to +158° F (-10° to +70° C)	
Operating	+14° to +149° F (-10° to +65° C)	
BUILT-IN ANTENNA SPECIFICATION		
Frequency range	902 - 928 MHz	
Gain	-4 dBi @920 MHz	
Polarization	Circular (RHCP)	
BUILT-IN BARCODE READER		
Image sensor	-	640 * 480 CMOS
Symbologies	-	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
Resolution	-	3mil (differ from different type barcodes)
Typical depth of field	-	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)
Scan angle	-	Roll: 360°, Pitch: ±60°, Skew:±60°
Field of view	-	Horizontal 42°, Vertical 31.6°
Minimum symbol contrast	-	25%
OTHER		
Standards	ISO 18000-6C (EPC Gen2) ISO 18000-63 (EPC Gen2 V2)(Transparent Mode)	
Warranty	1 year	

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

² Please select the color at the time of purchase.



Countries	Part Number	Description
Luxembourg, Latvia, Malta, Moldova, North Macedonia, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom 	100.729	HexaPad-10 USB UHF Reader Black
	100.731	HexaPad-10 USB UHF Reader Gray
	100.730	HexaPad-10 USB UHF Reader White
	100.732	HexaPad-10 BC USB UHF Reader Black
	100.734	HexaPad-10 BC USB UHF Reader Gray
	100.733	HexaPad-10 BC USB UHF Reader White
United States of America (USA) 	100.723	HexaPad-10 USB UHF Reader Black
	100.725	HexaPad-10 USB UHF Reader Gray
	100.724	HexaPad-10 USB UHF Reader White
	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
Brazil 	100.629	HexaPad-10 USB UHF Reader Black
	100.624	HexaPad-10 USB UHF Reader Gray
	100.628	HexaPad-10 USB UHF Reader White
	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
Australia, New Zealand 	100.765	HexaPad-10 USB UHF Reader [AU] Black
	100.766	HexaPad-10 USB UHF Reader [AU] White
	100.767	HexaPad-10 USB UHF Reader [AU] Gray
	100.768	HexaPad-10 BC USB UHF Reader [AU] Black
	100.769	HexaPad-10 BC USB UHF Reader [AU] White
	100.770	HexaPad-10 BC USB UHF Reader [AU] Gray

For more information, contact acura.sales@hidglobal.com



hidglobal.com

North America: +1 512 776 9000 | Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +353 91 506 900

Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108

For more global phone numbers click here

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