

RAIN® RFID (UHF) Stationary Reader



HID® Acura RFID Readers

ACURA is the pioneer in the Radio Frequency Identification (RFID) market in Brazil and Latin America, and has been successful since the end of the 1990s in its wide-ranging adoption in the most diverse sectors of the economy, from mining to steel, from agriculture to food processing, from logistics to retail, from transportation to the distribution chain, from access control to asset management.

HexaPad, AcuPad and AC-01 are compact reading devices for applications like retail checkout. Edge-30 readers are used for outdoor applications like parking access, Intelligent Transport Systems (ITS) like road tolling or logistics.

Product family	HexaPad		AcuPad		AC-01 V2	EDGE	
Sub-family	HexaPad-10	HexaPad-10 BC	AcuPad-50	AcuPad-50 MUX	AC-01 V2	EDGE-30R+ TCPIP	EDGE-30R+ AUTOID
	A tabletop reader with UHF RFID technology developed with a Near Field antenna with a restricted reading field, suitable for checkout operations, in addition to having an integrated barcode reader that can be used in a simultaneous or separate reading of tags. It is a slim profile reader with a modern and elegant design.		A compact, discreet UHF RFID reader with two SMA outputs for external antennas. The reader, combined with the practicality of the USB connection as an HID Keyboard device, is a flexible solution for the most diverse retail, healthcare, industry, and logistics applications.		Highly versatile desktop reader that uses RFID technology and offers an array of impressive features. It operates in two modes: Autonomous Mode for automatic readings and Transparent Mode for software development and programming.		A high-performance UHF RFID reader for tag Reading, its main feature is to be used in vehicle access control operations.
Frequency	UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz CE (Europe) Upper band 916.3 MHz, 917.5 MHz, 918.7 MHz FCC (USA) 902 - 928 MHz		UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz FCC (USA) 902 - 928 MHz		UHF ANATEL (BR) 902 - 907 and 915 - 928 MHz CE (Europe) Upper band 916.3 MHz, 917.5 MHz, 918.7 MHz FCC (USA) 902 - 928 MHz		
Applications	POS Asset control Tag programming stations		Self Checkout POS Asset control		Office applications RFID tag registration Manual tag identification		Vehicle identification Access Control Gas station payment Truck fleet management Train wagon control Drive-thru payment Fuel pump control + (more)
RF output power	0 to 27 dBm		0 to 30 dBm		0 to 27 dBm		0 to 30 dBm
Communication interface	USB HID Keyboard USB Serial CDC						TCPIP RS-232
Working modes	Autonomous Mode & Transparent Mode						TCPIP Wiegand 26/34 bits Abatrack 10/14 digits Serial RS-232
API/SDK	Mercury API (using Transparent Mode)						N/A AutoID Firmware
Built-in antenna	Yes		No		Yes		
Antenna gain	4 dBi @920 MHz				0 dBic		7.5 dBic
Antenna ports	No		2 ports		No		
Antenna connector			2x RP-SMA Jack, male intern pin				
Reading distance	Up to 50 cm (adjustable by power settings)		The distance may vary depending on the antenna connected to the reader		Up to 20 cm (adjustable by power settings)		20 ft (6 m)
Built-in barcode reader	No	Yes	No				
Communication	USB Type-A male connector						RJ45 connector
Power	5 VDC +/- 1% (Host USB port)						IEEE 802.3af Powered Device (PD) PD Power Class: Class 3, 12.95 W Operating PoE Voltage: 37 VDC to 57 VDC
Cable length	6.5 ft (2 m)						
IP Rating	N/A						IP65
Mounting type	Desktop reader		Desktop/table or wall mounting		Desktop reader		With mounting support on the back side for poles (Ø 1" to 1.75" and 1.75" to 3") or flat surfaces (wall)
Dimensions	10.6 x 6.8 x 0.5 in (270 x 175 x 15 mm)	10.6 x 6.8 x 0.9 in (270 x 175 x 24 mm)	5.1 x 3.5 x 0.6 in (130 x 90 x 17 mm)		3.5 x 2.2 x 0.7 in (89 x 57 x 20 mm)		8.6 x 8.6 x 5.03 in (220 x 220 x 128 mm)
Certification	ANATEL / CE / FCC		ANATEL / FCC				ANATEL / CE / FCC

