

UHF INTEGRATED LONG-RANGE READERS

U620-M UHF Integrated RFID Reader, 8 dBi, Wiegand 26/34, RS232/RS485

The U620-M is an integrated UHF RFID reader with an 8 dBi antenna in a 240 × 240 mm panel, for parking entries, loading bays and staff gates that report to a Wiegand controller or PC software. It reads EPC Gen2 tags at 0–5 m (up to 8 m in high-power mode) over Wiegand 26/34, RS232/RS485 or USB.

- 8 dBi antenna, 0–5 m rated — the same rated range as the 7 dBi model, with more antenna gain for tags that are hard to read at that distance.
- Two interface builds — U620-M with Wiegand 26/34, RS232, RS485 and USB, or U620-N with TCP/IP Ethernet added.
- Fixed-frequency option — run on a fixed channel or a software-programmed frequency plan to suit the site and local rules.
- RF power 0–30 dBm — trim the field in software so the reader covers its own lane and not the next one.
- Triggered or continuous — one trigger input starts reading on an external signal; otherwise the reader scans continuously.
- Mid-size panel — 240 × 240 × 50 mm and 1.2 kg, between the compact U610-M and the 257 mm U630-M, for pole or wall mounting on a bracket.



General	
Model	U620-M (N-type) / U620-N (E-type with TCP/IP)
Product type	UHF RFID reader with integrated antenna
Frequency	902–928 MHz or 865–868 MHz, specified at order; other bands on request
Air interface	ISO 18000-6C, EPC Class 1 Gen 2
Antenna	Built-in, 8 dBi
RF output power	0–30 dBm, software adjustable
Frequency mode	Fixed frequency or software-programmed

Tags & reading	
Supported tags	ISO 18000-6C / EPC Gen2 passive UHF tags (read and write)
Read range	0–5 m; up to 8 m in high-power mode (depends on tag and site)
Read speed	< 6 ms average per 64-bit single-tag read
Read mode	Continuous (active) or triggered (passive), set by software
Trigger input	1
Indicator	Buzzer

Interface & output	
Interfaces, U620-M	Wiegand, RS232, RS485, USB
Interfaces, U620-N	Wiegand, RS232, TCP/IP, USB (RS485 on this build confirmed at order)
Wiegand formats	Wiegand 26 / 34
Serial / USB data	Format set in the configuration software
SDK and software	Sample code in C#, Visual C++, VB, Java and Delphi; test demo; tag read/write and issuing demo

Ordering versions

U620-M — N-type: Wiegand 26/34, RS232/RS485, USB

U620-N — E-type: adds TCP/IP Ethernet (Wiegand 26/34, RS232, TCP/IP, USB; RS485 confirmed at order)

OEM / ODM options (confirmed per order)

- ◆ 902–928 MHz or 865–868 MHz build; other UHF bands on request
- ◆ RF power, frequency mode and read mode pre-set to your site values before shipment, on request
- ◆ Private label on the product label and carton, on request

Physical & environment	
Dimensions	240 × 240 × 50 mm
Weight	1.2 kg (2.2 kg packed)
Power supply	DC 12 V, 3 A
Operating temperature	-20 °C to +65 °C
Storage temperature	-45 °C to +95 °C
Mounting	Pole or wall bracket
Color	Light gray

Works with

- ✓ ISO 18000-6C / EPC Gen2 passive UHF tags: windshield tags, cards, labels and hard tags
- ✓ Access and parking controllers with a Wiegand 26 or 34 input
- ✓ PC software over RS232, RS485 or USB, using the SDK
- ✓ Server software over TCP/IP Ethernet (U620-N)
- ✓ 902–928 MHz or 865–868 MHz operation, ordered per band

Not designed for

- × 125 kHz or 13.56 MHz access cards — see access control readers
- × Active (battery-powered) tags
- × Writing tags over Wiegand — use the SDK or demo software over serial, USB or TCP/IP
- × Controllers that expect Wiegand 98 — confirm before ordering
- × Lanes that need reads beyond 8 m — see the U640-M

- ◆ N-type U620-M or E-type U620-N with TCP/IP Ethernet
- ◆ Cable length and connector (DB9 or open wires) on request

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Specifications describe the standard version and may change without notice. Read range depends on the card or tag, mounting and environment. Pricing, configuration, lead time and terms are confirmed in your quotation.