

QUICK RESPONSE CODE
READER

NU 80 QR

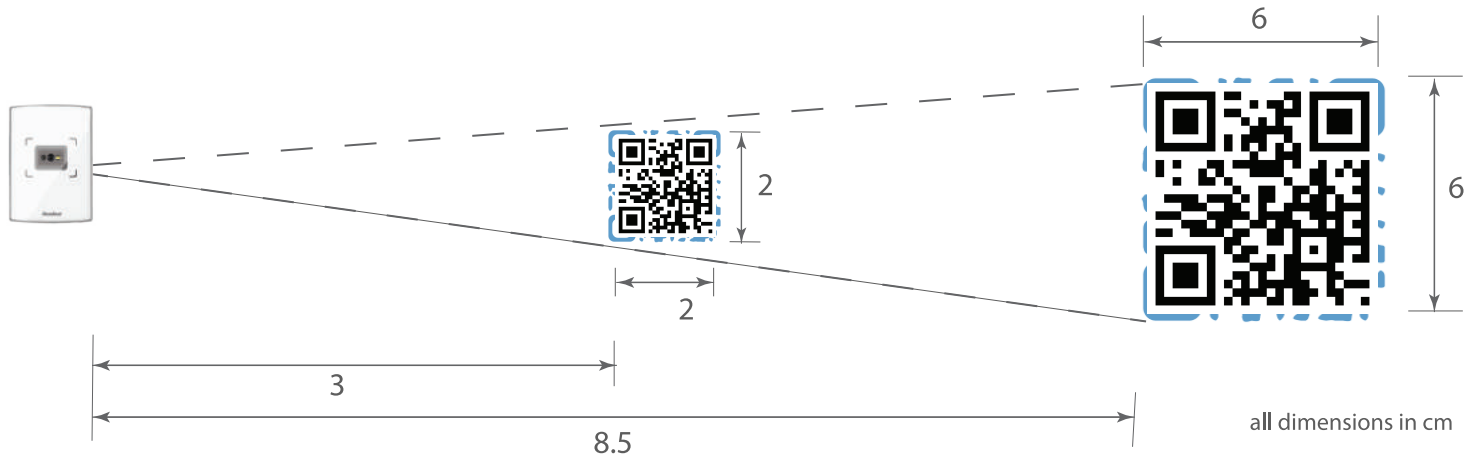
Nundnet Turnstiles & Access Controls



An exclusive design, elegant appearance, flush mount with no visible cables or cords, complying with the industry standards, an extra ordinary choice for extreme hygienic standards. IP65 ingress protection rated surface hence suitable for indoor and outdoor applications. An innovative technical design to resist any interference with an ambient light source.

The reader is available as square, slim and rectangle design made of SUS 304 stainless steel or PC or ABS depends on application.

QR CODE SCANNER AREA DETECTION RANGE



BAR / QR CODE FORMATS

Nundnet QR code reader uses four standardized decoding modes (numeric, alphanumeric, byte/binary, and kanji) in addition to the extensions. The ideal scanning rates can be determined on the basis of size of the QR code tag size. Analytically the distance of scanning is directly proportional to tag size, bigger the tag means larger the scanning range. Six specific formats of QR codes are supported by default, however the firmware can be customized to support the required formats.

Three standards of barcode formats code 39, UPC/ EAN & code 93 are used.



BAR CODE



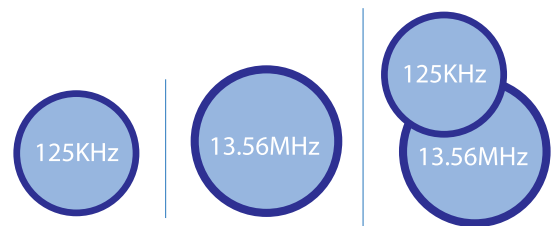
QR CODE

Bar code	Density	Distance	
		Min.	Max
Code 39	0.125mm (3mils)	4.0cm	9.0cm
	0.375mm/ 15mils		25.0cm
UPC/ EAN	.0375mm/ 15 mils		
Code 93	0.254mm/ 10ml		21.0cm

- 08A12345678
- 10A1234567890
- 14A12345678901234
- 55W1234556789
- 08H33CDAB88
- 16H001122334455667788

RADIO FREQUENCY IDENTIFICATION

Nundnet NU QR80 series of readers are equipped with types of readers for RFID tags or the combination of same. It includes high frequency 13.56MHz., low frequency 125KHz. or combination of both, hence makes the device as universal access control device.



INGRESS PROTECTION

The device surface is IP65 rated, hence used for indoor & outdoor applications.



LED INDICATORS

The LED indicator array is incorporated at the edges.

COMMUNICATION

Incorporated with de facto wiegand 24/ 34 protocol for universal applications whileas serial ports RS232 & RS485 are available.



SPECIFICATIONS

SENSOR

Pixels	1280 x 800
Scan rate	60fps
Distance	50mm ~200mm (5cm~20cm)
Resolution	QR code 8mil / 0.2mm
Field of view	Horizontal (H) 42°, Vertical (V) 27°

RFID TAGS/CARDS SUPPORTED

Type	Low frequency	High frequency
Frequency	125KHz	13.56MHz
Standard	ISO18000-2, EM4001, EM4095	ISO14443 Mifare Ultralight, Classic, Plus, DESfire, -EV1/ NFC (Card simulation)
Reading range	5 ~15cm (50 ~150mm)	2 ~5cm (20 ~50mm)
Crypto	13.56MHz : CC Certification: 3DES Crypto comply with EAL+	
Dual frequency	Hybrid 13.56MHz + 125KHz	

COMMUNICATION INTERFACE

Wiegand	24/ 34
RS232	1
RS485	1
ABA	ABAll
TCP/IP	Optional

MATERIAL

Material	PC, ABS/ Steel (Option)
Ingress protection	IP65
Mount type	Flush
Design	Anti sunlight, Anti IR interference

POWER RATINGS

Voltage	9 ~24VDC
Current	0mA ~30mA

INDICATORS

LED	Red/ Green
Buzzer	1

CERTIFICATIONS

	CE, RoHS, WEEE
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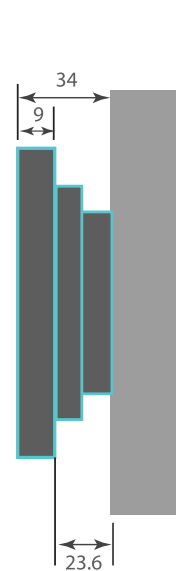
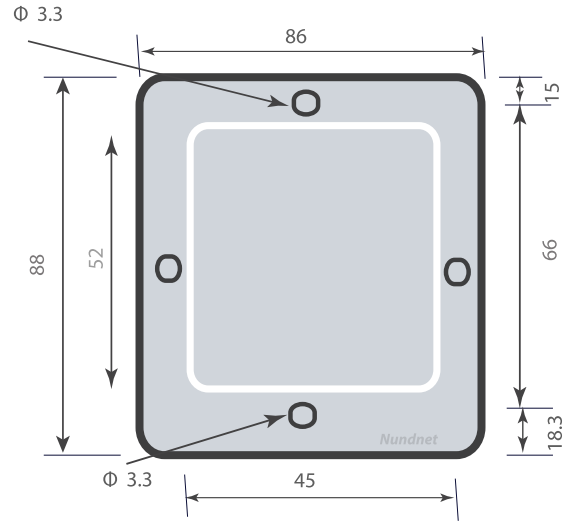
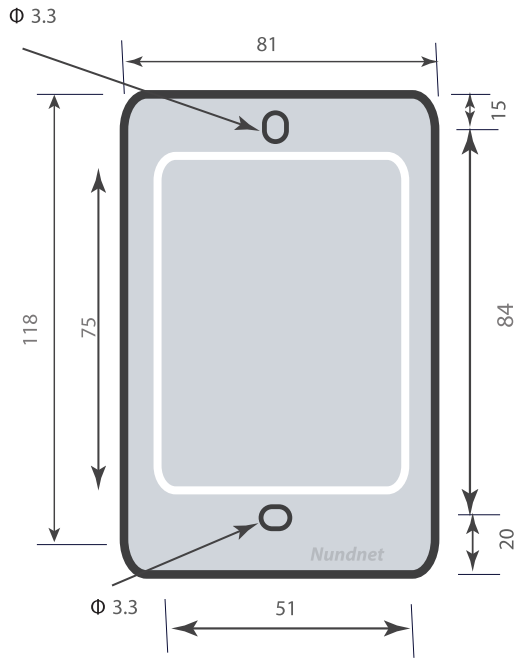
ENVIRONMENTAL

Temperature	Operating -20°C ~ 65°C / Storage -25°C ~ 70°C
Humidity	Operation -20 ~ 90% / Storage 5% ~95%

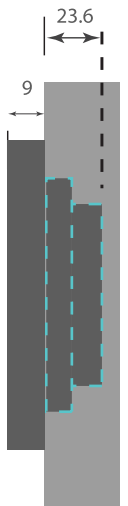
METRICS

Dimensions(HWD)	Rectangle	88 x 86 x 9
	Square	88 x 86 x 34
Weight (grams)	110 ± 10	





SURFACE MOUNT

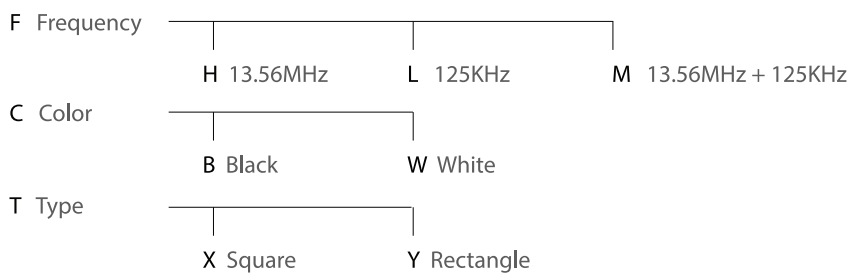


FLUSH MOUNT

all dimensions in mm

ORDERING METHOD

NU80QR FCT QR Reader



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