Datasheet

2N® Access Unit QR

Quick & Reliable One-off Access

More secure than PIN codes, and cheaper and more sustainable than RFID cards – what's not to love about QR code access? The 2N® Access Unit QR provides quick, secure access using mobile phones and is perfect for visitors!

Frictionless visitor experience

Enhance the visitor experience by allowing receptionists to email a QR code in advance for mobile access control. No more remembering PIN codes or waiting at the desk for a temporary RFID card.

The best temporary access

Whether it's one-off entry, time-limited access, or just a certain number of visits - QR codes are the best credential for guests, providing convenience for visitors and flexibility for admins.

Reduced administrative overheads

Generate QR codes and share them in bulk with multiple users via email with a few clicks in the 2N® Access Commander. Or, use third-party software when integrating with another access platform.

Complete flexibility

The modular design of the reader allows you to add another access module (e.g. Touch keypad, Bluetooth & RFID), offering more flexibility for visitors as well as permanent options for personnel.

Free, more sustainable credentials

Reduce plastic waste and your spending: QR codes are free and eliminate the costs associated with the purchase of physical credentials, their handling, issuing, and eventual disposal.

Full HD camera enhances security

Supplement access logs in the 2N® Access Commander with snapshots captured by the reader's camera. Or fully integrate the reader into your VMS and use it as a full-featured camera.

2N® Access Unit QR
916201

Technical parameters

Power supply

Type	PoE and/or 12 V/1 A DC
PoE	802.3af (Class 0–12.95 W)

Interfaces

LAN	10/100BASE-TX with Auto-MDIX, RJ-45 jack
Recommended cabling	Cat-5e or better
Active switch output	8 to 12 V DC/max 400 mA
Passive switch	NO/NC contacts, up to 30 V/1 A AC/DC
Inputs	1 input - in passive/active mode (-30 V to +30 V DC) OFF = open or Uin> 1.5 V ON = short-circuit or Uin< 1.5 V
Tamper switch	optional (extension module)

Audio

Microphone	1 integrated
Amplifier:	5 W (Class D)
Speaker	2 W / 8 Ω
Sound Pressure Level (SPL max)	78 dB (for 1 kHz at 1 m)
LINE OUT	1 VRMS / 600 Ω
Volume control	adjustable with automatic adaptive mode
Full duplex	Yes (AEC)
Audio output	1,9 W
Protocols	RTP/SRTP
Codecs	G.711, G.729, G.722, L16/16kHz

Camera & video

Sensor	1/2.7'' colour CMOS
Focal lenght	1.9 mm
View angle	125° (H), 105° (V)
View angle "peephole"	138° (H), 105° (V)
Infrared light	yes
WDR	yes
Minimal illumination	0,8 lux without IR illumination
Protocols	RTP/RTSP/RTCP/HTTP, ONVIF v2.4 profile S & T
Codecs	H.264, MJPEG, Zipstream
Resolution H.264, MJPEG	max. FullHD (1920 x 1080)
Frame rate	max. 30 fps

QR code specifications

Type	static QR containing 4-15 digits (decimal, hexadecimal characters)
Versions	1 - 40 (all the versions supported)
Others	QR code can be coloured and can contain an image

Mechanical Properties

Frame (cover)	robust zinc cast frame with surface finish (nickel and black color)
Operating temperature	-40°C to +60°C
Storage temperature	-40°C to +70°C
Operating relative humidity	10%-95% (non-condensing)
Weight	2 kg
Cover rating	IP54 and IK08

Dimensions

Surface mounting frame (2 modules)	107 (W) x 234 (H) x 28 (D) mm
Flush mounting frame (2 modules)	130 (W) x 257 (H) x 5 (D) mm
Flush mounting box (2 modules)	108 (W) x 238 (H) x 45 (D) mm

Extension modules

2N® Access Unit QR supports all modules from the 2N® IP Verso 2.0 intercom