

MCRN7 RFID Terminal with QR-Code Reader

MCRN7 R 110
Jan. 02, 2025

Key Features

System	Embedded Linux / Ubuntu & QT-Appl.
IP Protection	IP54
Frequency	13.56 MHz
Interface	PoE-Ethernet, Wi-Fi 6
Standards	ISO14443A/B, ISO15693
Supported Cards & Transponders	MIFARE® Family NTAG I-Code
Colors	Black, Blue, Grey etc.
Display	3.5" Capacitive Touch



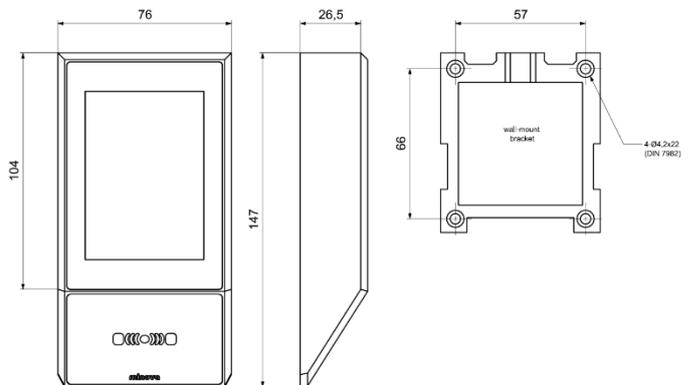
1 ELECTRICAL

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
VIN	Input supply voltage V_{in}	+8	+12	+48	V
IN	Input current ($V_{in}=+12V$)	-	650	-	mA
VR	Maximum Reverse Voltage	-	+48	-	V
RS485-VOD	Differential Output ($R_L=54\Omega$)	+1.5	+2	+3.3	V
RS485-A/B	Input Voltages	-8V	-	+13	V
RS485-A/B	Output Voltages	-	+3.3	-	V
RS232 Receiver	Input Voltages	-30	-	+30	V
RS232 Transmitter	Output Voltages	± 5	± 5.2	-	V
TA	Ambient Temperature Range	-20	-	+70	°C
MTBF			500.000h		

2 FEATURES

- 528MHz i.MX CPU, 512MB RAM, 4GB Flash
- 3.5" TFT color LCD
- 320x480 pixel IPS with capacitive touch
- PoE-Enabled Ethernet 10/100MB
- Wi-Fi 6 2.4G & 5G
- QR-Code reader 1D/2D
- RS485/RS232 interface
- USB-Host interface
- 2x Relay outputs
- 2x Optical isolated inputs
- Dual speakers
- +8V to +48V DC power supply
- 28x76x150 mm outer dimensions
- -20 to +70 °C ambient temperature

3 DIMENSIONS



4 INTERFACES

