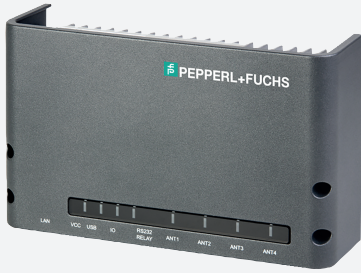


RFID read/write device

IUR-F800-V1D-4A-FR2-02

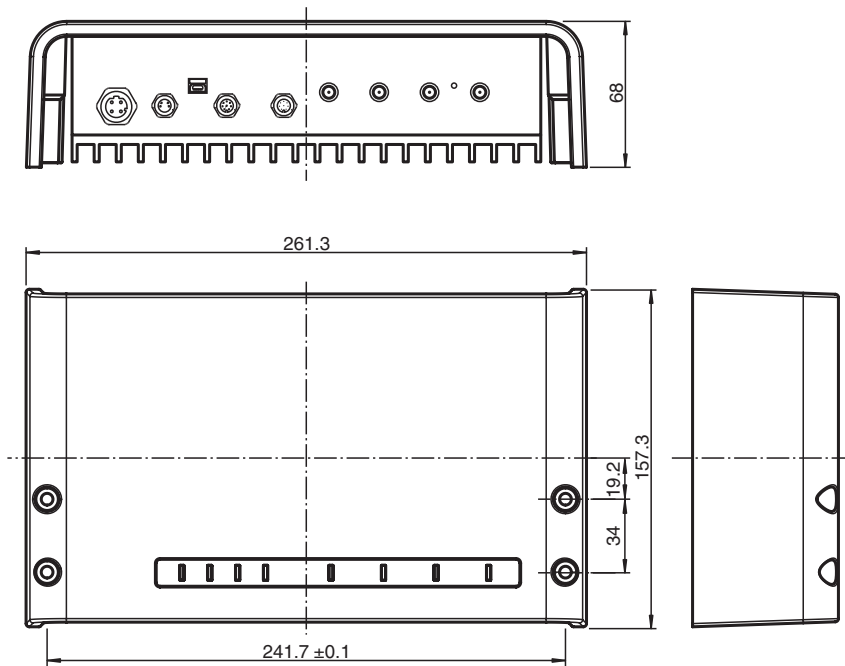


- Integrated multiplexer
- Multi-tag reading of up to 200 tags increases productivity
- Sturdy housing, suitable for rough industrial use

RFID read/write device UHF for connecting external antennas, USA and Canada



Dimensions



Technical Data

General specifications

Operating frequency	902 ... 928 MHz: USA, Canada Transmission licenses for other countries on request
Operating distance	max. 12 m

Nominal ratings

Power Output	100 mW ... 1 W adjustable in 100 mW increments
--------------	--

Indicators/operating means

LED indication	16 LEDs for displaying the operating and antenna status
----------------	---

Electrical specifications

Operating voltage	U _B	24 V DC ± 20 %
-------------------	----------------	----------------

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 70161897_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF PEPPERL+FUCHS

Technical Data

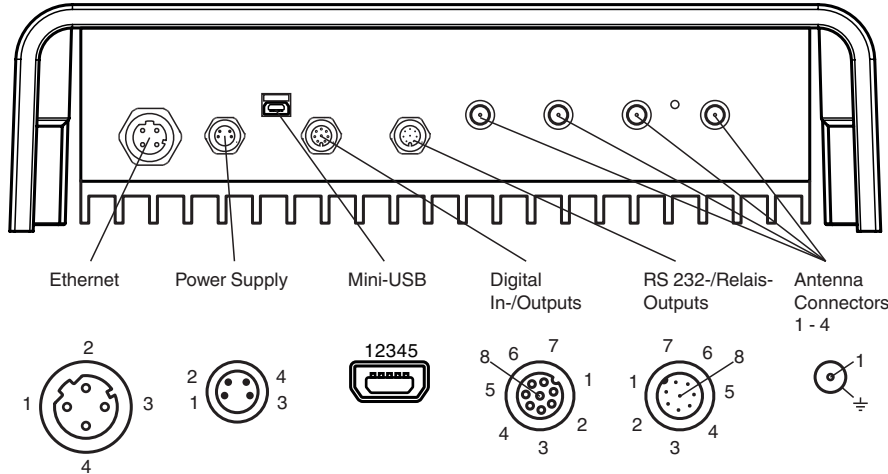
Power consumption	P ₀	24 VA
Interface		
Interface type	RS-232, Ethernet, USB (On-The-Go), Wiegand (Scan Mode Interface)	
Inputs		
Connection	M8 connector, 8-pin	
Input type	Optocoupler	
Number of inputs	2	
Input voltage	24 V DC	
Input current	20 mA	
Outputs		
Connection	M8 connector, 8-pin	
Output type	2 x optocouplers, 2 x relays	
Number of outputs	4	
Output voltage	24 V DC	
Output rated operating current	Optocoupler: 20 mA Relay: 1 A switching current, 2 A continuous load	
Standard conformity		
Degree of protection	IEC 60529	
RFID	ISO/IEC 18000-63	
Approvals and certificates		
FCC approval	This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.	
IC approval	This device complies with Industry Canada licence-exempt RSS standard(s) and with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.	
Radio approval	USA: FCC IREIURF800 Canada: IC 7037A-IURF800	
Ambient conditions		
Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)	
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)	
Climatic conditions	Air humidity 5 ... 95 % , noncondensing	
Shock and impact resistance	Vibration (sine): 1 g, 10–150 Hz according to EN 60068-2-6 Shock (half-sine): 30 g according to EN 60068-2-27	
Mechanical specifications		
Housing length	68 mm	
Housing width	260 mm	
Housing height	157 mm	
Degree of protection	IP53, IP64 with protection cap	
Connection	Inputs/outputs: M8 connector, 8-pin Relay, RS-232: M8 connector, 8-pin Ethernet: M12 plug connection Voltage supply: M8 connector, 4-pin External antennas: 4 SMA sockets, 50 Ω USB interface: mini-USB socket	
Material		
Housing	powder coated aluminum	
Mass	approx. 1800 g	

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 70161897_eng.pdf

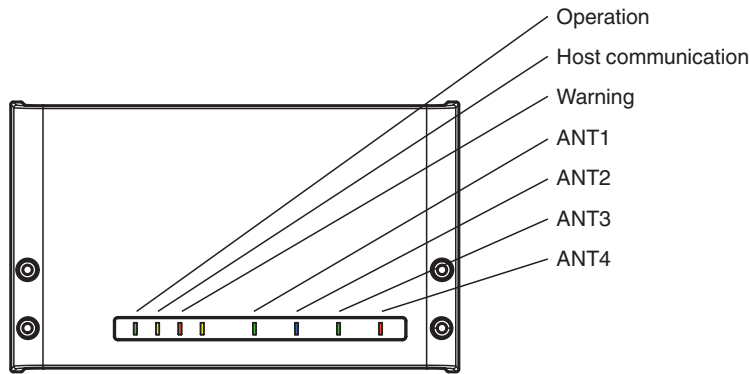
Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.comUSA: +1 330 486 0001
fa-info@us.pepperl-fuchs.comGermany: +49 621 776 1111
fa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com
 PEPPERL+FUCHS

Connection



Indication




Accessories

	IUA-F830-FR2	UHF RFID antenna, 65° x 65° circular
	IUA-F860-FR2	UHF RFID antenna, 30° x 65° circular
	IUZ-MH800	Mounting aid
	V31-GM-BK*M-PUR-U	Female cordset single-ended M8 straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	V1SD-G-GN*M-PUR-E1S-V45-G	Ethernet bus cable M12 plug straight D-coded to RJ45 Ethernet-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable
	IUK-SMA-*M-LL240F-FRNC-TNC	Adapter cable SMA plug straight to TNC plug straight, FRNC coaxial cable black, UV resistant
	V318-GM-BK*M-PUR-U2S	Female cordset single-ended M8 straight A-coded, 8-pin, PUR cable black, shielded

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 70161897_eng.pdf

Accessories

	V318S-GM-BK*M-PUR-U2S	Male cordset single-ended M8 straight A-coded, 8-pin, PUR cable black, shielded
---	------------------------------	---

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 70161897_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com