

DENSO
DENSO WAVE

FIXED RFID READER

UR40

SERIES



Rugged

Long
Reading
Distance

All-in-one



RUGGED

- Sealed to IP65 for use in demanding and outdoor locations
- UL61010 certified
- Reliable and continuous operation even at high temperatures due to die-cast aluminum case allowing for better heat dissipation
- Easy installation via VESA compatible mounting points

HIGH SCANNING PERFORMANCE

- Reads 700 RFID tags / second *
- LED status allow easy setup and monitoring
- Selection of linear (horizontal/vertical) or circular polarized antenna via software - allows long reading distance and better RF isolation of neighbouring readers
- Up to three extra antennas can be added, allowing different portal configurations to be made

*: Test value

HIGHLY RELIABLE

- RFID (857,7 - 867,5 MHz) : EPC global GS1 Gen 2
- Supports Ethernet, USB and RS-232C interfaces
- General use inputs and outputs available for connection to sensors and lights
- Supported by ORiN IoT platform for easy integration into Smart Factory solutions

Model		UR40-H-ERU & URAN-40H1		
RFID	Built-in antenna	Horizontal, vertikal / circular		
	Reading distance	Reader / antenna	8 m / 6 m *	
		Expansion antenna	6 m	
	Reading speed / second	700 tags *		
	Supported RFID Tags	ISO/IEC 18000-63 (GS1 Gen2)		
	Frequency (EU)	857,7 - 867,5 MHz		
	Channel width / number of channels	600 kHz / 4 ch		
	Transmission output	1 W max.		
	Modulation method	PR-ASK		
	Transmission rate	62,5 - 400 kbps		
Output adjustment	5 - 30 dBm			
Interface	RS-232C	RS-232C asynchronous		
	USB	USB-COM-Interface		
		Standard	USB 1.1 compatible	
		Port	Micro USB Type B	
Ethernet	IEEE802.3 10/100 BASE-T			
Power	Power supply	24V DC or 230V AC with optional PSU		
Dimensions (mm)	Reader / antenna	210 x 210 x 54,5		
	Expansion antenna	210 x 210 x 37		
Weight (g)	Reader / antenna	1750		
	Expansion antenna	700		
Operational temperature	-20°C ~ +50°C			
Protection rating	IP65			
Expansion antenna	Up to 3 antennas, TNC connection			
Standard	Safety	UL61010		
	Noise	EN 301-489-1/-3		
	Shock resistance	EN 60068		

*: Test value

COMPONENTS

Reader/Antenna

- UR40-H-ERU

Expansion antenna

- URAN-40H1

Cable

- CBAN-CTNC5000 (5 m antenna cable)
- CBAN-CTNC10000 (10 m antenna cable)
- 1585D-M40BJM-2 (ethernet cable)
- CBUR-PS2000/17-NC (power cable)
- CBUR-PS2000/12-NC (GPIO cable)

DENSO

DENSO WAVE EUROPE GmbH

Parsevalstr. 9 A
D-40468 Düsseldorf
+49 211 540 138 40
info@denso-wave.eu

For more information, please visit our website.
www.denso-wave.eu



„Made for iPhone“, „Made for iPad“ and „Made for iPod“ indicate electronic accessories designed to be connected to iPhone, iPad and iPod; verified by developers as complying with Apple-approved performance standards. Apple rejects all liability for functionality, safety or compliance of this product. Apple, iPad, iPad Pro, iPod, iPod touch and iPhone are trademarks of Apple Inc. registered in the United States of America and other countries. The iPhone trademark is used in accordance with the Apple Co., Ltd. license. iOS is a trademark and registered trademark of Cisco in the United States of America and other countries and is used in accordance with this license. • Android is a trademark of Google LLC. • QR Code and SQRC are registered trademarks of DENSO Wave Incorporated. • Product appearance and specifications are subject to change without notice. The details contained in this brochure were corrected as of February 2019. © 2019 - DENSO WAVE EUROPE GmbH.

TO USE THIS PRODUCT SAFELY

Before using this product, read its User's Manual thoroughly.

QR Code is a registered trademark of DENSO WAVE INCORPORATED.

Product appearance and specifications are subject to change without notice. | © 2019 DENSO WAVE EUROPE GmbH