

**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**

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