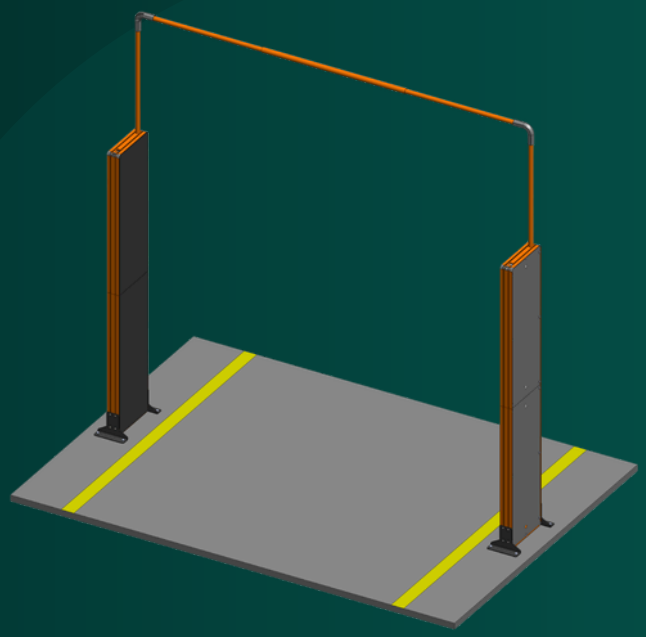
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Portal System

Times-7 Portal



- 10 dBiC typ. RHCP, 50° horizontal beam
- Low cross-reads from adjacent dock lanes
- System, Tower, Mini Towers or Combo
- IP54 for permanent dock door installation
- Field-adjustable, repairable on site

UHF RFID | RAIN - Portal System
Dock door portal, 10 dBiC typ., 50° beam, four configurations

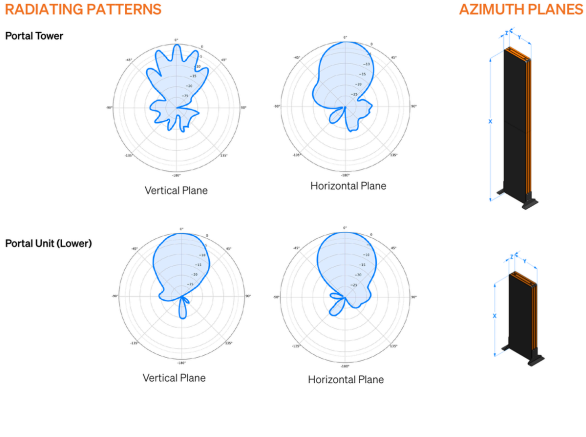
The Times-7 Portal is a RAIN RFID portal platform for pallet, carton and item-level tracking at dock doors. Its right-hand circularly polarised antennas deliver 10 dBiC (7 dBi equivalent) typical gain with a focused 50° horizontal beam that energises the target pallet while confining the read zone. Portal Units measure 1104 x 397 x 97 mm and stack into 2207 mm Portal Towers.

The narrow beam reduces the keep-out area and cross-reads from adjacent lanes; an evenly distributed vertical pattern covers the full pallet height. Typical VSWR is 1.5, axial ratio 2 dB and front-to-back ratio 20 dB typical. The Portal covers 865–868 MHz (ETSI) or 902–928 MHz (FCC), accepts up to 3 W and works with any standard UHF RFID reader with 50 Ω ports; left-hand circular polarisation is available on request.

ABS covers on a fibreglass frame with aluminium feet, side plates and a universal reader mount are rated IP54 for permanent dock door installations (-20 to +55 °C). Four configurations (System, Tower, Mini Towers, System Combo with Cable Bridge for 2.4–3.2 m doors) suit different pallet heights and portal widths and support easy field adjustments and on-site repairs.

Common Applications

- Warehouse Receiving
- Dock Door Dispatch
- Distribution Centres
- 3PL Cross-Docking
- Beverage Distribution
- Grocery And Cold Chain



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	RHCP (LHCP on request)
Far-Field Gain	10 dBiC ±0.5 dB typical (7 dBi equivalent)
Beamwidth Tower	50° horizontal
Beamwidth Unit	50° both planes
VSWR	1.5 typical
Axial Ratio	2 dB typical, 2.5 dB max.
Front-to-Back Ratio	20 dB typical, 16.5 dB min.
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information (ETSI / FCC)

Portal System	75624 / 75625
Portal Tower	75710 / 75711
Portal Mini Towers	75708 / 75709
Portal System Combo	75771 / 75772

Configurations

Portal System	2 upper + 2 lower units
Portal Tower	1 upper + 1 lower unit
Portal Mini Towers	2 lower units
Portal System Combo	Portal System + Cable Bridge

Mechanical

Portal Unit	1104 x 397 x 97 mm, 9 kg
Portal Tower	2207 x 397 x 97 mm, 17.8 kg
Materials	ABS covers, fibreglass frame, aluminium feet and plates
Connector	RP-TNC, 2 per unit or tower
Cable Bridge (75691)	For dock doors 2.4–3.2 m

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +60 °C
Compliance	RoHS, REACH