

# Indoor Radio Unit 2242



The Ericsson Radio Dot System is designed to address both consumer and business users' performance expectations indoors and to remove mobile broadband capacity bottlenecks in large buildings.

Indoor Radio Unit IRU 2242 provides connectivity to up to 8 RD 2242 or RD 2243 single-band 2x2 MIMO radios over industry-standard twisted pair IT cabling. A pair of IRU 2242 provides connectivity to up to 8 RD 4442 dual-band 2x2 MIMO radios using the Y-splitter accessory to share a single cable between both IRU. A single twisted pair cable carries both power and signal between IRU and dots, enabling simple and economical deployment and installation.

IRU 2242 is an RBS 6000 module and is supported in RBS 6601 or RBS 6202 chassis for indoor deployments. Optionally, the Remote IRU Enclosure enables flexible deployment throughout a building in any rack or wall mounting location. This combination of mounting solutions allows for flexible, scalable deployment of Radio Dot System across a variety of venue sizes.

IRU 2242 features dual CPRI port connectivity, enabling cascading of remote IRU, or deployment with multiple Baseband units in a multi-operator scenario.



**ERICSSON**

# Ordering information

## Orderable Product Code

IRU	KRC 161 444/2	Indoor Radio Unit (5 Gbps CPRI)
IRU	KRC 161 444/3	Enhanced Indoor Radio Unit (10 Gbps CPRI)
Y-splitter	NTB 101 0046/1	Single Y-splitter plus ferrite core
Remote IRU Enclosure	1/BFL 901 141/1	See datasheet for details

## Interface specifications

CPRI	2 x CPRI SFP+ ports	Electrical or optical
CPRI Line Rate	2.5 / 4.9 Gbps	IRU 2242
	2.5 / 4.9 / 9.8 / 10.1 Gbps	Enhanced IRU 2242
Radio Dot Interface:	8 x RJ-45 ports	See datasheet for details
Radio Dot Compatibility	RD 2242, RD 2243 RD 4442 (two IRUs required)	
Optical Indicators:	Green LED (Operational) / Red LED (Fault)	
External Alarms:	Reporting of up to two external alarm conditions	

## Mechanical specifications

Dimensions	350mm (8U) x 280 mm x 31 mm
Weight	3.2 kg
Mounting	RBS 6601, RBS 6202 or Remote IRU Enclosure
Color	Off-white
Ingress Protection	IP20

## Electrical specifications

Power Supply:	-48 Vdc
Power Consumption:	175 W max.

## Environmental specifications

Operating Temperature:	Per specifications of enclosure used	
Non-destructive Temperature:	-15° C to +65° C	5° F to 149° F