



HIGH GAIN. MAXIMUM PERFORMANCE.

BRADY GA30 UHF RFID ANTENNA Built for **any surface**

Brady GA30 is a general-purpose antenna with a very high performance and is ideal for harsh environments where IP rating is needed. This antenna can be mounted directly on all surfaces, even metal, without compromising UHF RFID reading performance. Brady GA30 is a global band antenna with real circular polarisation, enabling it to be used at its maximum performance in any region worldwide and with any tag orientation. The modular fixed reader Brady FR22 attaches natively to the back of the Brady GA30.



WORKS IN ANY ENVIRONMENT



MOUNTS ON ANY SURFACE, INCLUDING METAL



PERFORMS IN DUSTY OR WET WORKSPACES



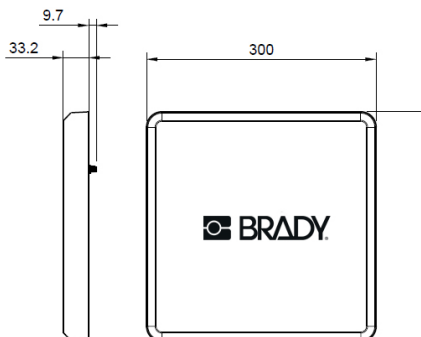
ACCURATELY READS TAGS IN ANY ORIENTATION

IDEAL FOR CHALLENGING READ CONDITIONS OR LONG RANGE APPLICATIONS

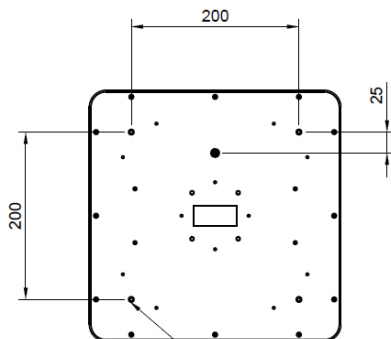
- ▶ High gain to achieve the longest RFID reading distance
- ▶ Performs in dusty or wet workspaces
- ▶ Accurately reads tags in any orientation
- ▶ VESA standard mounting
- ▶ Usable on all surfaces, including metal
- ▶ GA30 antenna is purpose-built to mount on the FR22 reader for seamless integration

BRADY GA30

Antenna dimensions (mm)



Mounting (VESA fixing)



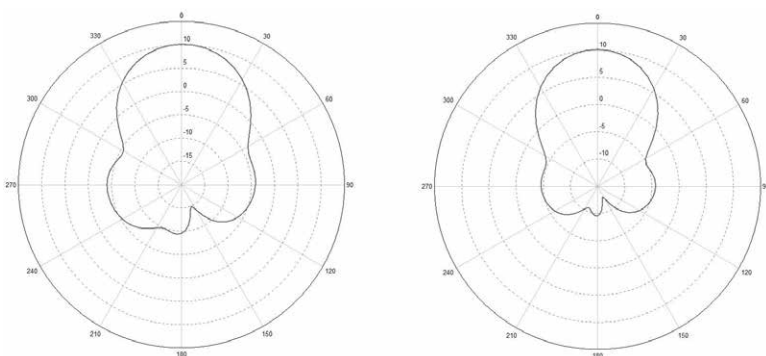
Note about VESA fixing points: the maximum thread depth is 7 mm and the maximum allowed torque is 8 Nm.

4 x M5 VESA 200 fixing



GA30 antenna on the FR22 reader

Antenna radiation pattern



Product options

UHF RFID	
Frequency	Wide band 865 MHz - 928 MHz
Antenna Features	10 dBic RHCP Polarisation
Beam Width	50° / 50°
Input Impedance	50 Ω
VSWR	< 1.5:1
Power Requirements	Max 2W input power
Front-to-back Ratio	20 dB
Axial Ratio	< 0.5 dB
External Antenna Port	SMA Female connector
SIZE AND WEIGHT	
Dimensions	300.00 mm (W) x 300.00 mm (H) x 33.20 mm (D)
Weight (kg)	0.86 kg
Weight with FR22 (kg)	1.166 kg
ENVIRONMENT	
Operating Temperature	-20°C - 55°C
Storage Temperature	-40°C - 85°C
Ingress Protection Rating	IP68*

* When combined with the FR22, the ingress protection rating is IP65

Article No.	Order Reference	Description
311941	B-GA30-ANT	Brady GA30 antenna
313665	B-FR22-RDR-GA30-EU	Brady FR22 Fixed RFID Reader EU with GA30 Antenna
313666	B-FR22-RDR-GA30-US	Brady FR22 Fixed RFID Reader US with GA30 Antenna
313667	B-FR22LTE-GA30-EU	Brady FR22 Fixed RFID Reader LTE EU with GA30 antenna
319481	B-FR22-RDR-GA30-AU	Brady FR22 Fixed RFID Reader AU with GA30 Antenna

Accessories

Article No.	Order Reference	Description
311931	FR22-ANT-GA30-8cm	Antenna cable FR22 mounted on GA30 8cm
313687	B-GA30-Backcvr-kit	Brady GA30 back cover kit

Suitable application areas

- ▶ Asset tracking
- ▶ Inventory management
- ▶ People or vehicle access control
- ▶ Document tracking
- ▶ RFID gates
- ▶ RFID tunnels

