O- BRADY



ADVANCED ANTENNA FEATURES BRADY BFA BEAM-FORMING ANTENNA Overhead antenna for the F22-Series fixed readers

BRADY BFA is an advanced beam-forming overhead antenna with 28 software-controlled beams and an integrated movement and direction detection sensor. All the beams can be enabled for the highest RFID reading coverage and accuracy, or only specific beams can be enabled to define a limited area of detection and reduce unwanted readings. BRADY FR22 can be seamlessly connected and mounted on the back.







CUSTOMISABLE COVERAGE THAT PERFORMS

- 28 software-controlled beams can shape antenna coverage for any given environment
- High read accuracy due to multiple overlapping beams
- Integrates directly with Brady FR22 Fixed RFID Reader
- Reliable object direction detection and environment mapping
- Integrated loud buzzer and high visibility LEDs to provide user indications in track & trace and access control applications
- VESA standard mounting

ADVANCED ANTENNA FEATURES



Antenna dimensions (mm)



Mounting (FR22 + VESA fixing)



UHF RFID		
Frequency	ETSI 865.6-867.6 MHz or FCC/IC 902-928 MHz	
Antenna Features	Max gain 8 dBi	
Beam Width	40° / 60°	
Beam Forming Features	28 individual beams with dual polarisation	
Beam Tilt Angles	0°, ±15°, ±30°, ±45°	
Front-to-back Ratio	20 dB	
Connector	Brady extension port	
SENSORS AND INDICATORS		
Sensor	Time of flight sensor	
Device Indicators	Buzzer for sound indications, 8 high visibility LED bars	
SIZE AND WEIGHT		
Dimensions	430.95 mm (W) x 430.95 mm (H) x 21.10 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	IP20	

Antenna beams radiation patterns

(beams not represented in scale)



Top view of 1/8 of the beams



Top view position of the 28 beams (Representative coverage only, reality has higher beam overlap)



Product options

Article No.	Order Reference	Description
311942	B-BFA-ANT-868	Brady BFA antenna 868
311943	B-BFA-ANT-915	Brady BFA antenna 915
311944	B-FR22-RDR-BFA-US	Brady FR22 + BFA 915 kit US
311945	B-FR22-RDR-BFA-EU	Brady FR22 + BFA 868 kit EU
311946	B-FR22-RDLTE-BFAEU	Brady FR22 LTE + BFA 868 kit EU
319479	B-FR22-RDR-BFA-AU	Brady FR22 + BFA 868 kit AU
323418	N-FR22-RDR-BFA-US	Nordic ID Technology FR22 + BFA 868 kit US
323419	N-FR22-RDR-BFA-EU	Nordic ID Technology FR22 + BFA 868 kit EU
323420	N-FR22-RDLTE-BFAEU	Nordic ID Technology FR22 LTE + BFA 868 kit EU
323425	N-BFA-ANT-868	Nordic ID Technology BFA antenna 868
323426	N-BFA-ANT-915	Nordic ID Technology BFA antenna 915

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