



HIGH PERFORMANCE. COST-EFFECTIVE.

BRADY FR22 LITE RFID Fixed Reader

The FR22 Lite is the entry variant of the powerful FR22 reader, but that does not mean its RFID performance is less powerful. Indeed, the FR22 Lite features the same RFID engine as the FR22 and provides a very high asset track and trace performance, even in challenging environments. Using the same API for backward compatibility with all the other Brady RFID devices and with an improved connectivity, the BRADY FR22 LITE is the evolution towards a smarter platform, more powerful, and manageable than ever.



AUTOMATED RFID DATA COLLECTION FOR CONTINUOUS MONITORING

- ▶ Fast and reliable edge computing with support for custom embedded applications
- ▶ UHF RFID engine based on the very latest technology
- ▶ Develop embedded web apps with user interface. Eliminating the need for external PC/tablet
- ▶ Connect external devices, sensors, triggers, lights and buzzers
- ▶ Full set of API's available for controlling the reader

THE LATEST IN MODULAR FIXED READERS



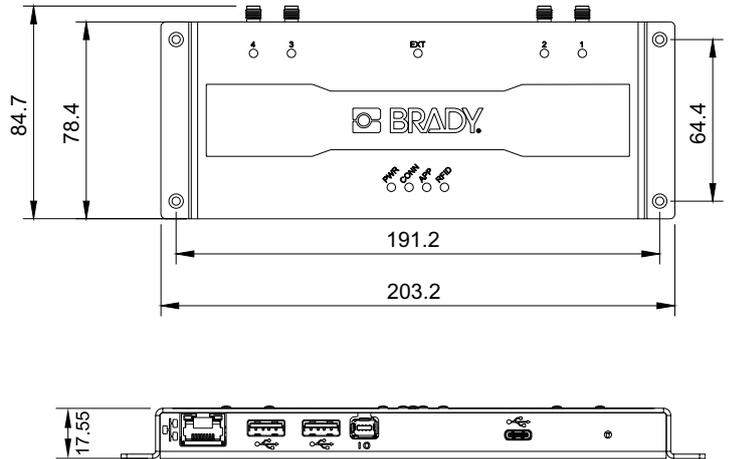
HIGH PERFORMANCE RFID READING



EDGE COMPUTING CAPABILITIES



COST EFFECTIVE SOLUTION



UHF RFID IDENTIFICATION	
ISO Compliance Standards	ISO 18000-63 (EPC Class 1Gen2v2)
Frequency	ETSI 865.6-867.6 MHz or FCC/IC 902-928 MHz
RF Radiated Power	+32dBm (+30dBm in FCC region)
Maximum Receive Sensitivity	-87dBm
Reading Speed	Up to 1000 tags per second
External Antenna Port	4 ports RP-SMA female
PLATFORM	
Central Processing Unit (CPU)	Quad-core A7 1.1GHz
Operating System	Linux
Internal Memory Capacity	1 GB RAM, 8 GB Flash
USER INTERFACE	
Device Indicators	4 LEDs indicating the enabled antennas, Connection LED, Application LED, Power LED, RF LED
CONNECTIVITY	
Connectivity Options	USB-C, Ethernet, USB, I/O connection
POWER	
Power Supply	PoE 802.3at
Power Requirements	Max 25.5W. 4W idle
SIZE AND WEIGHT	
Dimensions	203.2 mm (W) x 17.55 mm (H) x 78.49 mm (D)
Weight (kg)	0.16 kg
ENVIRONMENT	
Ingress Protection Rating	IP20
Operating Temperature	-20°C - 55°C
Storage Temperature	-40°C - 85°C
Mounting Type	4 Screws (not included)
SOFTWARE INTERFACE	
Data Management	Nordic ID RADEA
Firmware Updates	Via Web management UI and the RESTful service
Management Interface	Web Management UI and SSH for developers
IP Address Configuration	IPv4 DHCP, Static IP
API Support	NUR API for RFID and RESTful service to access reader configuration
Software Development	Application can be written with modern programming languages. Compatible with existing Nordic ID fixed readers. Ready-to-use Nordic ID NUR API that provides full control over the reader
Security	TLS v1.3

Support

- ▶ Maintenance service and extended warranty contract
- ▶ Software customisation and development support
- ▶ Technology, product and integration training
- ▶ Technology and project consultation
- ▶ Project management services

Product options

Article No.	Order Reference	Description
319470	B-FR22LITE-RDR-EU	FR22 Lite Reader EU
319471	B-FR22LITE-RDR-US	FR22 Lite Reader US
319472	B-FR22LITE-RDR-AU	FR22 Lite Reader AU
319474	B-FR22LITE-RDR-IL	FR22 Lite Reader IL

Accessories

Article No.	Order Reference	Description
311941	B-GA30-ANT	Brady GA30 antenna
313687	B-GA30-Backcvr-kit	Brady GA30 back cover kit
320034	B-IO-EXT-BOX	Brady IO Connection box
311930	FR22-ANT-Cable-10m	FR22 antenna cable 10 m SMA-male - RP-SMA
311927	FR22-ANT-Cable-1m	FR22 antenna cable 1 m SMA-male - RP-SMA
311928	FR22-ANT-Cable-3m	FR22 antenna cable 3 m SMA-male - RP-SMA
311929	FR22-ANT-Cable-5m	FR22 antenna cable 5 m SMA-male - RP-SMA
322564	FR22-ANT-Cable-7m	FR22 antenna cable 7 m SMA-male - RP-SMA
311931	FR22-ANT-GA30-8cm	Antenna cable FR22 mounted on GA30 8cm
319485	FR22-PSU-CORD-AU	Power Supply FR22 AU
311920	FR22-PSU-cord-EU	Power Supply FR22 EU
311921	FR22-PSU-cord-UK	Power Supply FR22 UK
311922	FR22-PSU-cord-US	Power Supply FR22 US
311923	GPS-Antenna	Active GPS antenna
322826	RP-TNC-SMA-ANT-10M	RP-TNC-SMA Antenna 10m cable
322815	RP-TNC-SMA-ANT-1M	RP-TNC-SMA Antenna 1m cable
322816	RP-TNC-SMA-ANT-3M	RP-TNC-SMA Antenna 3m cable
322825	RP-TNC-SMA-ANT-5M	RP-TNC-SMA Antenna 5m cable

