

yellobrik 19" 1RU Rack Frame

LYNX | Centraal™

yelloGUI



Features

- Compact 1U design
- Will accommodate up to 14 yellobriks
- 2x 12V DC power inputs
- Primary and redundant power options
- Power failure alarm GPI outputs
- Adjustable 19" mounting brackets to recess frame

Description

The RFR 1200 is a compact, 1U high mounting frame for yellobriks. Up to 14 yellobriks can be mounted vertically and clamped mechanically. Each slot has its own integrated power connection. The total load of the RFR 1200 must not exceed 200 W.

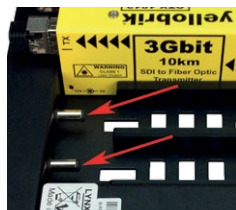
To mount wider modules (i.e. IDC 1411) the spacer brackets can be unscrewed from the bottom to make room to accommodate these types of modules.

The rack has two external Molex Mini Fit Series 5557 inputs for 12V DC power, named DC 1 and DC 2. The "Power 1" and "Power 2" LEDs located on the front panel correspond to the primary (DC 1) and redundant (DC 2) power supply inputs. The status LEDs are located in the front panel next to the GPI connector for the power supply failure alarms. When using one or two RPS A100 PSU the total power drawn from the yellobriks present on the rack frame should not exceed 100W. It is not possible to combine PSUs to draw more power than one PSU can deliver. It is also not possible to mix different power supply units for primary and redundant power. (i.e. 100W and 200W).

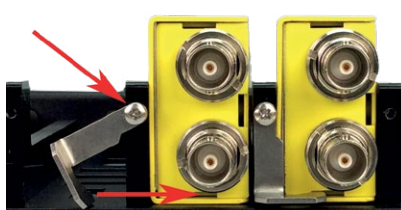
The module fiber RX and TX activity LEDs can be seen from the front with the modules installed. To protect the fiber cables and connections the 19" mounting brackets can be repositioned to recess the rack frame.

Technical Specifications

Power Inputs	2 x 12V DC power input (DC 1 and DC 2) Connector: Molex Mini Fit Series 5557
	Power LEDs on front of chassis
	Primary and redundant power failure GPI alarm outputs
Ambient Temperature	min. 0°C / +32°F max. +40°C / +104°F
Humidity	<90% at +25°C / +77°F, non-condensing
Operating Altitude	max. 5000m / 16404ft in connection with the RPS A100 / RPS A200 max. 2000m / 6562ft in connection with the RPS 1010
Operating Locations	Only operate indoors
Pollution Degree	2
Size	19" Rack mount x 1RU high x 145mm deep (5.7")
Weight	1.6 kg (3.52 lbs) - with no modules or power supplies installed
Model #	RFR 1200 (EAN# 4250479329041)
Optional Accessoires	RPS A100 100 Watt power supply for greenMachine and yellobrik rack frames (EU/UK/US/N) (EU/UK/US/None power cord)
	RPS A200 220 Watt power supply for yellobrik rack frames (EU/UK/US/N) (EU/UK/US/None power cord)
	RXT 1001 Power Supply Holder for Rack Power Supplies
Includes	Rack Frame assembly (empty) and qty 14 module securing brackets



Power connectors



Modules are clamped securely into position



Rear of rack frame showing power connectors and one optional external power supply



CAUTION: If the rack frame is populated with higher power modules please allow at least 0.5 RU of empty space above and below the frame and provide empty slots each side of the modules wherever possible to allow for adequate airflow to prevent the risk of overheating.



Monitoring, Automation and Centralization

yellobrik Rack Controller Module

The yellobrik Rack Controller RCT1012 is a node module to monitor and update up to 12 yellobriks centrally via ethernet instead of individual USB connections.

The module also offers four GPI interfaces to monitor the GPI output of other devices (example: the RFR 1200 power supply status).



yellobrik Server Module

The yellobrik server SRV 1000 adds functions like AutoControl, CustomControl, Mass Backup & Restore and more to a yellobrik system.

These additional features can only be accessed via LynxCentraal.



Optional Accessories

Rack Frame Accessories

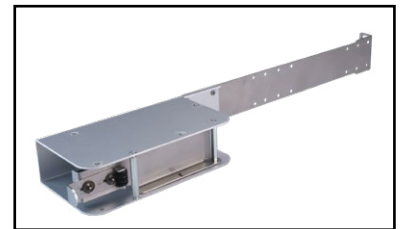
This rack frame has optional accessories available like Power Supplies and Power supply holders



RPS A200: 200W Power Supply



RPS A100: 100W Power Supply



RXT 1001: Power Supply Holder for RPS A100