RF Switching Unit

TB1324 | LAN CONTROLLED · 19″ 2U

BLUELEC
Part of JOT Automation

Bluelec TB1324 is a 19″ 2U rack-mount RF switching unit that routes a single common port (COM) to any of sixteen RF paths (RF1 – RF16). All ports use 50 Ω N-type connectors for robust, repeatable connections in rack-based RF test systems.

- COM to RF1 – RF16 switching, 50 Ω nominal.
- N-type (female) RF interface on every port.
- Remote control over LAN (UDP).
- 19″ 2U rack enclosure, 12 VDC powered.

Designed for automated RF test systems, the TB1324 combines wide frequency coverage, LAN control, and rugged N-type connectivity in a single rack unit.



RF SPECIFICATIONS

Configuration	**COM to RF1 – RF16**
Impedance	**50 Ω (nominal)**
RF connectors	**N (female)**

COM to RFn

Frequency	Insertion loss (COM–RFn)
1 GHz	2.2 dB
3 GHz	3.2 dB
6 GHz	4.5 dB

Insertion loss values are typical.

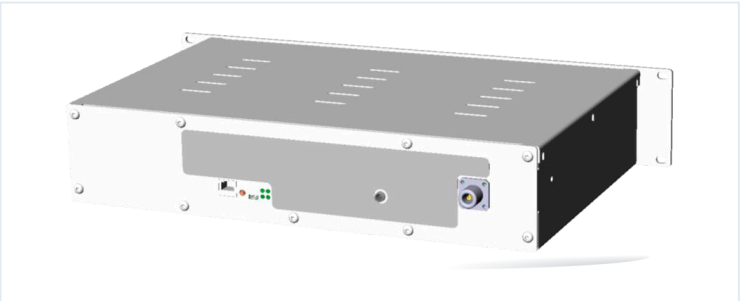
INTERFACE

RF	**N (f) – N (f)**
Control	**LAN (UDP)**
Power	**12 VDC socket**
Form factor	**19″ 2U rack**

The switch path is selected over LAN using UDP commands; the unit is powered from an external 12 VDC supply via the rear-panel socket.

REAR PANEL

LAN · 12 VDC · COM



ENVIRONMENTAL

Operating temperature	**0 – 50 °C**	Storage temperature	**−20 … +70 °C**
Relative humidity	**95 % at +40 °C**	Compliance	**RoHS**

3D CAD models available on request via **sales@bluelec.com**

© 2026 Bluelec Oy. All rights reserved.
sales@bluelec.com · www.bluelec.com

Datasheet Rev. A2 · November 2026
Specifications subject to change without notice.