

# NB3701-2Wac

## Railway Router with 2x WLAN-ac + EN50155

Proven multi-service onboard router for light rail and railways.



### Keyfeatures

WiFi / WLAN	2x Dual Band IEEE 802.11a/b/g/n/ac (Wi-Fi 5), 100 Clients in Access Point Mode
Ethernet	5x Fast Ethernet
IO	4x Digital I/O
Power	24 VDC to 48 VDC
Temperature Range	-40 °C to +70 °C, EN 50155 class OT4/ST0
Software	Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, free updates
Compliance	CE (RED), Railway (EN50155, EN45545)
Modularity	Extensions on request

### Product description

The NB3701 is the compact router for railways and other applications where similarly high demands are placed on the hardware. It is the right device for passenger WiFi or infotainment.

### Applications

- Passenger WiFi
- Passenger Infotainment

### Specifications

WiFi / WLAN	Standard	2x WLAN 2.4/5 GHz a/b/g/n/ac (Wi-Fi 5) <b>Wireless standard</b> IEEE 802.11a/b/g/n/ac (Wi-Fi 5) <b>Frequency</b> 2.4/5 GHz <b>Diversity</b> 2x2 MIMO <b>Data rate (max)</b> 300 Mbps (2.4 GHz) / 866 Mbps (5 GHz) <b>Modes</b> Client or access point (up to 100 clients) <b>FCC ID</b> TK4WLE600VX
	Connector	4x TNC female
Ethernet	Standard	5x Fast Ethernet <b>Ethernet standard</b> 100BASE-TX, Auto MDIX <b>Speed</b> 10/100 Mbps
	Connector	5x M12 D-coded female
USB	Standard	1x USB 2.0 Host
	Connector	1x Type A
IOs	Type	4x Digital I/O <b>Signals</b> 2x DI, 2x DO <b>DI signals</b> +, - <b>DI level</b> Low: 0 - 5 VDC, high: 7.2 - 40 VDC <b>DO signals</b> Relay outputs with NO, NC, COM (normally open, normally closed) <b>DO level</b> 0 - 60 VDC/1A, maximum switching capacity: 60 W <b>Isolation</b> 1'500 VDC
	Connector	1x M12 A-coded female
System	Core	1.3 GHz dual-core, 1 GB RAM, 4 GB flash
	Module Slots	2x miniPCIe (PCIe + USB)

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