



Connect the Dots with Tosibox



Do it Easily.
Build and manage secure OT infrastructure in minutes



Do it Automatically.
Connect anything, anywhere - all automated.



Do it Cybersecurely.
You own the data and it's always encrypted.

TOSIBOX® 610

Reliable and powerful Plug & Go™ connectivity device

TOSIBOX® 610 is a perfect choice for professional applications when wireless networking is not required. Leading edge cybersecurity technology from Tosibox enable diverse application scenarios. The durable aluminium alloy shell and small form factor is ideal for rugged mounting conditions.

Tosibox 600 series contains devices for all connectivity scenarios and meets the most demanding operating conditions. Bringing connectivity to those hard to reach locations has never been this easy. The node is compatible with all existing TOSIBOX® products.

Main features

Performance

- High VPN throughput, end-to-end encryption between TOSIBOX® devices, users and servers

Reliability

- Four Gigabit Ethernet ports deliver speeds up to 1000 Mbps
- Provided DIN rail clip ensures firm installation on any industrial application
- TosiOnline™ automatic reconnection of dropped connections

Industrial design

- Durable aluminium alloy shell, DIN rail attachment
- Extended IP30 rating
- Operating temperature -40 °C ... +75 °C / -40 °F ... +167 °F



802068

TOSIBOX® 610 Technical Data

Product codes

TBL610EU, TBL610UK, TBL610AU, TBL610US

Ports

- 1 x RJ-45 WAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 3 x RJ-45 LAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 1 x USB 2.0, type A

Connections

- 4 pin industrial DC power socket
- 9-50V DC, reverse polarity protection, voltage surge/transient protection
- DIN rail mounting slot in the back
- Maximum power consumption 6W

Connection features

- Proxy server support
- WAN access with static addressing or DHCP
- Network Time Protocol (NTP) server
- Automatic LAN network discovery
- LAN access with mixed static addressing and DHCP server
- Management web UI access via http/https
- Modbus server
- Static routes
- Works in all Internet connections (operator independent)
- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 50 concurrent VPN connections
- Aggregate VPN throughput up to 70 Mbps
- Single VPN throughput up to 25 Mbps
- TosiOnline™ Automatic network recovery that recovers from most mobile operator and modem problems

I/O specifications

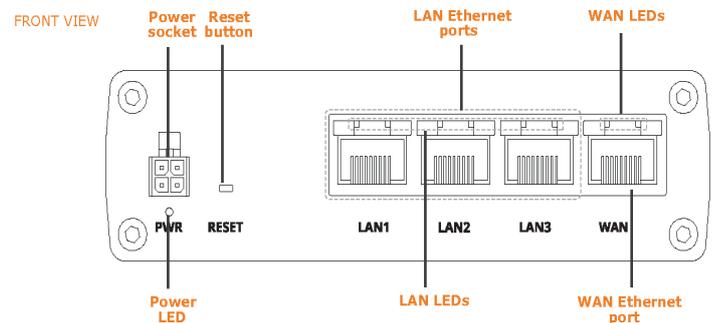
- 1 x Digital input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
- 1 x Digital output, open collector output, max output 30 V, 300 mA
- Software configurable I/O state
- Requires separate I/O cable (TB600PAC1 or TB600PAC2)

Included accessories

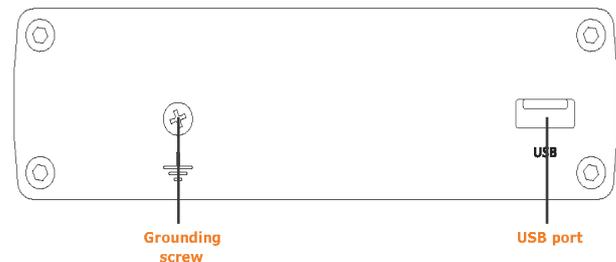
- Ethernet cable (1.5 m)
- DIN rail mount
- Power supply unit
 - AC adapter - Input 100 – 240 V AC, frequency 50/60Hz, 0,6A, Output 12.0 V, 1.5 A, max 18 W
- Power plug with contact terminals

Physical properties

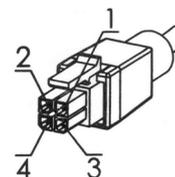
- 115 mm x 32.2 mm x 95.2 mm / 4.52" x 1.26" x 3.74" (W x H x L)
- Protection class IP30
- Weight 345 g / 0.76 lbs (net weight article)
- Storage temperature -40 °C ... +75 °C / -40 °F ... +167 °F
- Operating temperature -40 °C ... +75 °C / -40 °F ... +167 °F
- Power supply operating temperature -10 °C ... +40 °C / 14°F ... +104 °F
- Power storage temperature -20 °C ... +70 °C / -4°F ... +158 °F



BACK VIEW



Power plug



1. Power / +VDC
2. GND / 0 VDC
3. Digital Input
4. Digital Output

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