INROI

TOSIBOX

Advantages of TOSIBOX

Simple
Build and manage secure OT infrastructure in minutes

Secure
Tested & audited security

Modular
Unlimited expandability and flexibility

Timeless
Deals with legacy and future systems

Unique
Globally patented point-to-point connection

TOSIBOX® 650

All-around Plug & Go™ connectivity device

TOSIBOX® 650 is ideal performer in enterprise solutions.The versatile connectivity options, utilized in conjunction with leading edge Cyber security technology from Tosibox enable diverse application scenarios. The durable aluminium alloy shell and small form factor is ideal for rugged mounting conditions.

Extended IP30 Rating and operating temperature provides installation and use in demanding environmental 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.

Main features

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

Reliability
• Integrated WiFi as connectivity method or access point for wireless devices on site
• TosiOnline™ automatic reconnection of dropped connections

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

PATENTED CONNECTION METHOD

CE FC SGS IC
802068
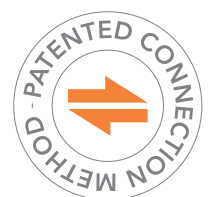
TOSIBOX® 650 Technical Data

Product codes
TBL650EU, TBL650UK, TBL650AU, TBL650US

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
• 2 x RP-SMA for WiFi
• DIN rail mounting slot in the back
• Maximum power consumption 9W

Connection features
• 2-way WAN priority
• 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
• Static routes
• Works in all Internet connections (operator independent)
• Firewall friendly
• 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

WLAN
• IEEE 802.11 b/g/n, 2.4 GHz, max. 150 Mbps
• Encryptions WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK mixed mode
• Frequency 2.412 – 2.462 GHz, 11 channels
• Access point or client mode
• Output power 20 dBm max

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
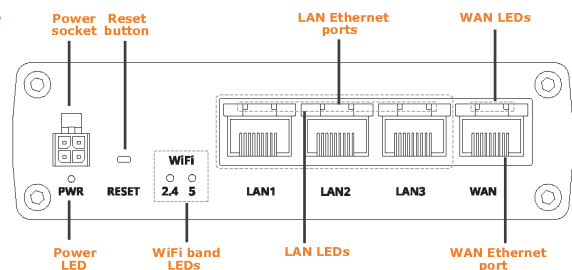• Requires separate I/O cable (TB600PAC1 or TB600PAC2)

Included accessories
• 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
• 2 x WiFi antennas (swivel, RP-SMA male)
• *1 x Bluetooth antenna (*optionally included, not supported in software)
• Power plug with contact terminals
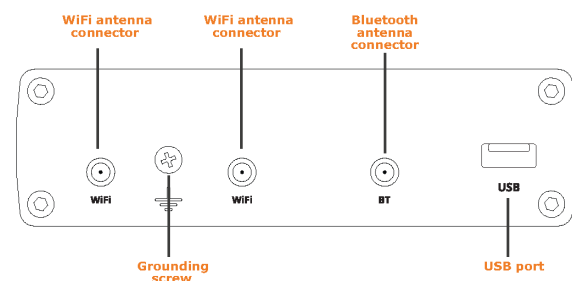• Ethernet cable (1.5 m)

• DIN rail mount

Physical properties
• 115 x 32.2 x 95.2 mm / 4.52" x 1.26" x 3.74" (W x H x L)
• Protection class IP30
• Weight 355 g / 0.78 lbs (net weight article)
• Storage temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
• Operating temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
• Power supply operating temperature -10 ℃ ... +40 ℃ /14°F ... +104 °F
• Power storage temperature -20 ℃ ... +70 ℃ /-4°F ... +158 °F

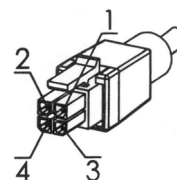FRONT VIEW

Power socket   Reset button   LAN Ethernet ports   WAN LEDs

PWR   RESET   WiFi 2.4 5   LAN1   LAN2   LAN3   WAN

Power LED   WiFi band LEDs   LAN LEDs   WAN Ethernet port

BACK VIEW

WiFi antenna connector   WiFi antenna connector   Bluetooth antenna connector

WiFi   WiFi   BT   USB

Grounding screw   USB port

Power plug

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

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