

TR1804 -4G Router



Multi Service Router



Product Overview

Techroutes TR-1804 Series Routers series is available in different models supporting GSM/GPRS/EDGE/HSDPA/HSUPA/HSPA/HSPA+/4G-LTE versions. TR1804 Series comes with four RJ45 lan port + 1 WAN RJ45 port + Serial port + WiFi (optional) + GPS (optional). Serial port supports RS232/RS485/TTL interface.

The TR 1804-4G cellular router is easy to install and enables direct access to your remote LAN devices for control and monitoring purposes. It enables companies to remotely access equipment at mobile, remote networks and isolated sites.

This Industrial grade Router offers wireless network routing optimised for machines, small networks and specialised Fixed IP services now available from wireless operators. It offers low cost router operation through Dial-out, Dial-in and Always Connected modes of operation.

The SNMP and SMS based control allow easy management of huge number of units in your network centrally

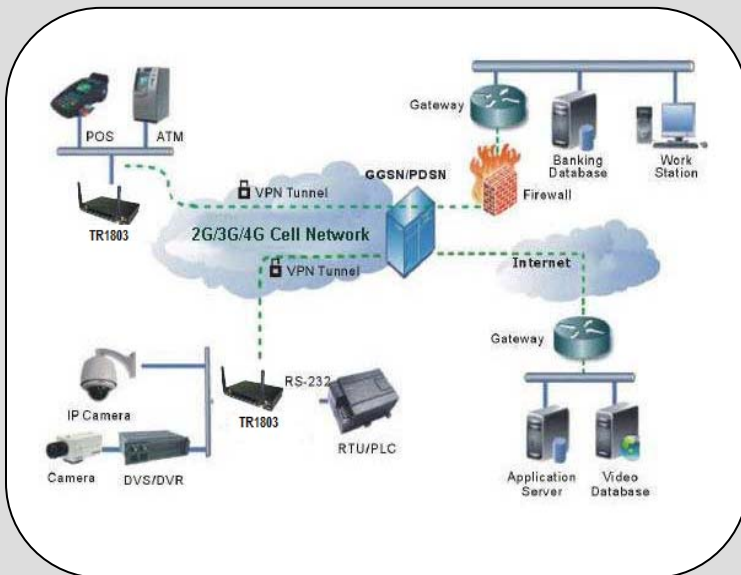
Industrial Applications

- Remote Data Monitor and Control;
- CCTV, security surveillance;
- Water, gas and oil flow metering and schedule;
- AMR (automatic meter reading);
- Power station monitoring and control;
- Remote POS (point of sale) terminals, ATM,
- Traffic signals monitor and control, Traffic info guidance;
- Oil field, weather forecast, environmental protection, street lamp monitoring and control
- Early Warning of Mountain Torrent;
- Fleet management;
- Power distribution network supervision;
- Central heating system supervision;
- Weather station data transmission;
- Hydrologic data acquisition;
- Vending machine;
- Telemetry, SCADA;
- Vehicle logistics and diagnostics controlling;
- Parking meter and Taxi Monitor;
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

Model		TR-1804-4G
Standard interfaces	Ethernet LAN	4
	Ethernet WAN	1
	Cell Interface	1
	Wifi	1
Environment	Power Supply voltage range	9V- 12V DC
	Storage Temperature	-30 ~ 75°C
	Working Temperature	-10 ~ 60°C
	Humidity	95% (non-condensing)

Functions

- Wifi: 802.11b/g/n (optional)
- WAN: PPP, PPPOE, Static, DHCP
- LAN : Primary and Secondary IP support
- Support NAT and DMZ host
- Always on ,DoD or Time based connection
- VPN: IPSec, L2TP, PPTP, GRE Tunnel
- Terminal Server, DTU
- GPS : GPS Support (optional need to specify on order)
- SMS Connection control and status (optional)
- MAC/IP/Port Filtering
- Content/URL filtering
- Port Forwarding
- Management : Web/Console/Telnet
- SNMP: V1,V2.V3
- Configuration : Upload and backup



Band Specification:

TR-1804-4G Support Multi-Network Type such as FDD LTE/TD-LTE/TD-SCDMA/UMTS/EDGE/GPRS/GSM	
TDD-FDD LTE	3GPP/3GPP2 Release9, Category 4, up to 150M DL and 50Mbps UL@20MHz
TD-HSPA+	3GPP/3GPP2 Release7, up to 4.2M bps DL and 2.2mbps UL
DC-HSPA+	3GPP/3GPP2 Release8, up to 42Mbps ,category 24, 5.76M bps UL
HSPA+	3GPP/3GPP2 Release7, up to 14.4Mbps ,category 10, 5.76M bps UL
HSPA	3GPP/3GPP2 Release6, up to 7.2M bps DL, category 7/8, 5.76M bps UL
UMTS	3GPP Release4, up to 384 Kbps DL and UL
EDGE	3GPP Release4, Multislot class 12, up to 237 Kbps
GPRS	3GPP Release4, Multislot class 10, up to 85.6Kbps
TD-LTE	Band38 (2570-2620MHz)
	Band39 (1880-1920MHz)
	Band40 (2300-2400MHz)
	Band41 (2496-2690MHz)
	Notes: Band 41 down compatible Band38
FDD-LTE	Band1 (1920-1980MHz, 2110-2170MHz)
	Band3 (1710-1785MHz, 1805-1880MHz)
	Band5 (880-915MHz, 925-960MHz)
	Band7 (2620~2690MHz, 2500~2570MHz)
	Band8 (925~960MHz, 880~915MHz)
TD-SCDMA	Band34 (2010-2025 MHz)
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WCDMA	Band1 (1920-1980MHz, 2110-2170MHz)
	Band2 (1930~1990MHz, 1850~1910MHz)
	Band5 (824-849MHz, 869-894MHz)
	Band8 (925~960MHz, 880~915MHz)
GSM	B2(1850-1910MHz, 1930-1990MHz)
	B3(1710-1785MHz, 1805-1880MHz)
	B5(824-849MHz, 869-894MHz)
	B8(880-915MHz, 925-960MHz)

For More details:

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