TR-344 Industrial Router DataSheet

Dual-Core Processing | Supports 4G/5G | Wireless Interface | Reverse Polarity Protection | Disconnection Detection

TR-344 is an industrial grade cellular router designed with industrial grade protection, wide temperature range, wide voltage range, etc. It can easily build a high-speed and stable cellular transmission network. Provide cellular long-distance data transmission services to users using public LTE networks (or VPDN proprietary networks). It has the characteristics of strong universality, standardized interfaces, wide application industries, stable performance, and applicability to complex environments. It can be widely used in various industrial Internet, intelligent transportation, robots and other industries around the world.

(1)Power adapter

(2)4G antenna

Technical Specifications

Category	Items	Features
Basic Information	Power supply	DC power supply : 12-36V
	Cellular Interface	IEEE 802.11 a/b/g/n/ac
	Operating frequency band	2.4G:2.4-2.4835GHz 5G:5.180-5.885GHz
	Main chip	MTK series
	Antenna	SMA external rotation inner hole
	WIFI transmission rate	7628: 300Mbps
		7621: 1200Mbps
	External interface	LAN ports: 5 100Mbps Ethernet ports (LAN0 is WAN/LAN adaptive)
		SIM card slot: double-layer
		Antenna interface: 4
		Indicator lights: 8
		DC power supply interface: 1 (DC2.1)
		Reset button: 1
		4G LTE+2*LAN 100Mbps
		1*RS485;1*RS232
	Overall dimensions	Length, width, and height: 116 * 134 * 34mm (antenna interface)
	Power consumption (current)	Less than 400mA
Data Information	Data rate	802.11n: up to 300Mbps
		802.11b: 1, 2, 5,5, 11Mbps
		802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
Output Power	Transmit power	11n HT40 MCS7 : +13.5dBm
		11b CCK: +18 dBm
		11g OFDM: +13.5dBm
	Receiving sensitivity	-66dBm at 150Mpbs
		-73dBm at 54Mpbs
		-86dBm at 11Mpbs
Temperature & Humidity Range	Working environment	Working temperature: -40 ° C~+75 ° C
		Storage temperature: -40 ° C~+80° C
		Humidity: 5%~95%, no condensation
Functions	Electric Meter Protocols	DL/T 645-2007, IEC 62056-21,IEC 1107, IEC 61850,DLMS
	Industrial Protocols	MODBUS RTU, MODBUS TCP, BACnet, M-bus, OPC UA

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