



4G/5G Industrial Wireless Router

Model: **T300**

Version: D18G-CN-5GA-W4-RS485

Product Introduction:

The **T300** -D18G series mobile broadband router is an IoT wireless communication router that supports international standard mobile broadband network protocols, providing users with convenient and fast high-speed network transmission capabilities.

This series of products adopts a high-performance 32-bit professional network communication processor and uses an embedded real-time operating system as the software support platform, offering users a secure, high-speed, stable and reliable wireless routing network, featuring 7 LAN ports, 1 WAN port, 1 485, 1 232 and WiFi interfaces.

This series of products can be widely applied in industries such as AI robots, autonomous driving, finance, postal services, smart grids, charging stations, self-service equipment, intelligent transportation, intelligent express delivery cabinets, environmental monitoring, fire monitoring, security monitoring, water conservancy monitoring, public safety, advertising release, industrial control, earthquake monitoring, meteorological monitoring, instrument monitoring, etc.

Countries	4G/5G network solutions	Wireless network	Number of slots	Serial port Protocol	Custom content
CN= China Version EU= European version NA= North American version GL= Global Edition SA= South American version JP= Japanese version AU= Australian version	A= Domestic Q= Qualcomm V=4G private network R=Redcap H= hisilicon	W0= No WiFi W4=WiFi4 W5=WiFi5 W6=WiFi6	S1= Single card S2= Dual cards	RS232 RS485 TTL	DO POE GPS ESIM

Example: D18G-CN-5GA-W4-S1-RS485; Version D18G, China 5G domestic solution, single band WiFi4, single card, protocol RS232, no customization

Note: Some versions do not allow customization of the above content.

Hardware parameters	
Product size	168.4*112.8*25mm(L×W×H)
Power supply	Dc power supply: 7.5-32V/1A(Standard configuration12V/1A)
External interface	Reset button: 1 Indicator lights: 8 Antenna interface: 6 SIM card slot: 1
Protection level	DC power supply interface: 1/2PIN terminal power supply RS232/485 interface: 1 (2.0mm 4PIN connector) LAN port: 7 (LAN8 is WAN/LAN adaptive) SFP: 1 Protection level: IP30
LEDs	LINK 、 SYS 、 WAN/LAN1~LAN2
Antenna	SMA external rotating inner hole
Storage memory	Storage :16MB, memory: 256MB
Authentication	CE, FCC
Power consumption (current)	4G: less than 400 mA 5G: less than 800mA
Operating temperature Humidity	Operating temperature: -20 to +70 ° C Storage temperature: -40 to +80 ° C Humidity: 5 to 95% (non-condensing)

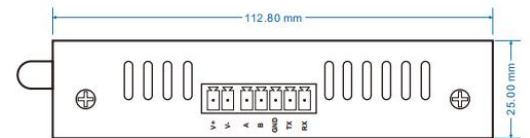
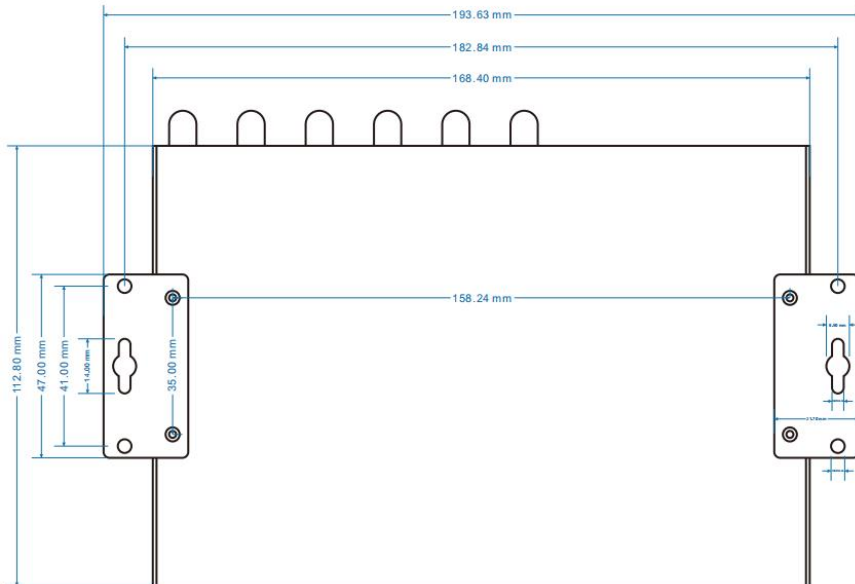
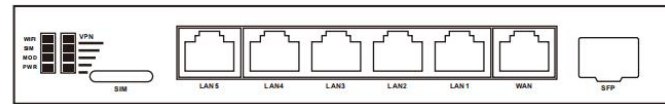
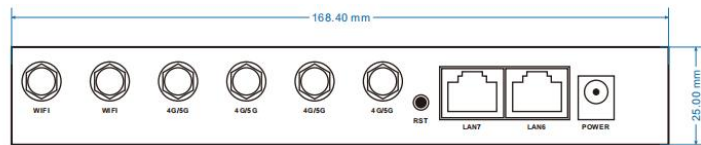
Optional frequency bands	
4G band	CN(Domestic - default) : FDD-LTE B1/3/5/8 TDD-LTE B38/39/40/41 EU(Europe) : FDD-LTE B1/3/5/7/8/20 TDD-LTE B38/39/40/41 NA(North America) : FDD-LTE B2/3/4/5/7/8/12/13/17/25/26/66 TDD-LTE B41 SA(South America) : FDD-LTE B2/4/5/7/8/28 TDD-LTE B40 J(Japan) : FDD-LTE B1/3/8/18/19/26 TDD-LTE 41 GL(Global) : FDD-LTE B1/2/3/4/5/7/8/17/20/28 TDD-LTE B38/39/40/41
5G band (Optional)	CN(Domestic/Asia) : 5G NR NSA:N41/N78/N79 5G NR SA:N1/N8/N28/N41/N78/N79 LTE-FDD:B1/B3/B5/B8 LTE-TDD:B34/B38/B39/B40/B41 WCDMA:B1/B8 5G DL 4x4 MIMO:N41/N78/N79



Feature Data

Basic Features	Internet Protocol: 4G /5G dial-up DHCP/Static /PPPoE dial-up /WiFi relay Number of supported users: Wired: 253, wireless: 30 WiFi Protocol: IEEE802.11b/g/n Network functions: NAT, DNAT, DMZ, port forwarding Port protocols: MODBUS, MODBUS slave, MQTT gateway
VPN	Open VPN Client, IPSec VPN Client, PPTP VPN Client, L2TP VPN Client
Operating frequency band	2400-2483.5 MHz
WiFi transmission Rate/Data	Transfer rate: 300Mbps(MAX) (theoretical maximum) WiFi data: 802.11n:-66 dBm at 300 Mbps/HT 40 MCS7:+1 3.5 dBm 802.11b:-86dBm at 11Mbps/CCK :+18 dBm 802. 11g:-73dBm at 54Mbps/OFDM: +1 3 .5 dBm
Firmware customization	Operating System: Linux operating system based on OpenWrt Supported languages: BusyBOS sheel,Lua,C,C++ Development tools: Provide SDK packages with built-in environments and contact us for custom development based on requirements documentation
WLAN Security Consultative	OpenSystem, WPA-PSK, WPA2-PSK, WPAPSK/WPA2 PSK, WPA1 / WPA2
System Services	Virtual servers, port triggers, serial port services, firewalls, MAC filtering, access control, port blocking, regional Settings, factory reset, NTP server Settings, backup system information, software upgrades, remote management
Operating system Browser Requirements	System :Windows XP/VISTA, Linux 2.6, Windows 7 , MAC OS: 10.3.7 ; Browser :IE:6.0 Safari:1.2.4 Firefox:2.0.0.8
Device Management	WEB UI HTTP/HTTPS, status, configuration, local firmware updates, troubleshooting, Syslog
	FOTA upgrades Cloud platform server update
	SSH/TELNET SSH(v1,v2), telnet
	TR-069 OpenACS, EasyCwm p, ACSLite, tGem, Libre ACS, Genie ACs, Free ACS, LibCWMP, Friendly tech(customizable)
	SNMP Network Management SNMP(v1, v2, v3)(customizable)
	Remote Interface Protocol API management based on HTTP/HTTPS (customizable)
	MODBUS MODBUS TCP Status/Control (customizable)

Housing positioning holes



Interface Description

5PinTerminal block

1	A	485-A
2	B	485-B
3	GND	digitally
4	TX	data transmission
5	RX	Data reception

2PinTerminal block

1	V+	Positive power supply
2	V-	Power negative

Product packaging size/weight

Product weight (g)	490g
Product dimensions (mm)	168.4*112.8*25mm
Packaging size (cm)	25*16*7cm
Product packaging weight (kg)	0.5kg
Outer box dimensions (cm)	71.3*44.3*26.8cm
Container weight estimate (kg)	22kg

○ Standard accessories



Power adapter *1

Optional: British Standard /
European Standard / American
Standard



2 m suction cup antenna -
WiFi



2 m suction cup antenna -4G
(Optional cabinet antenna, rubber stick
antenna, etc.)



Certificate of conformity *1