

# T5300

## Sub-6 Full Band 5G Indoor/Outdoor CPE

Flyingvoice T5300, a 5G CPE for indoor/outdoor applications, features a simple and aesthetic design, compliant with IP65 dust-proof & water-proof rating and 4KV lightning protection design, allowing flexible installation on wall, pole, or window. T5300 adopts directional + omni-directional hybrid antenna technology and supports Sub-6 GHz for strong signal penetration and wide coverage. T5300 also integrates a 2.5GE port with PoE, SIM card slot, and USB-C interface for external PC debugging to provide integrated all-in-one functionality. By eliminating the time and cost of laying wired networks such as fiber optics, it provides users with quick and convenient high-speed Internet access.











# **Key Features**



### **Dual Mode Networking, High-speed 5G Access**

Supporting NSA & SA networking, the connection speed is up to 2.5 Gbps, experiencing stable and fast download speeds, lower latency and less congestion, providing users with a high-speed 5G Internet experience.



#### Omni-directional Antenna, 360° Signal Receiving

With built-in 2 directional and 2 omni-directional 5G full band antennas, the T5300 can receive signals without dead zone, providing network experience with excellent quality.



#### **Sleek Design, Multiple Protection**

The T5300 adopts a sleek and durable design, featuring a UV-resistant and weather ability PC shell. With IP65 dust-proof and water-proof rating, 4KV lightning protection, and a -20 °C to +55 °C wide temperature range, the T5300 is suitable for versatile indoor and outdoor use.



#### Flexible installation, easy deployment

T5300 supports wall, pole, and window mounting installations. With its included metal mounting accessories, it can be securely fixed vertically on indoor and outdoor walls. It can also be mounted on various poles such as wire poles, lamp posts, and broadcast columns. Easy and flexible to install, adapting to multiple application scenarios.



- Omni-directional MIMO antenna
- Nano-SIM and eSIM
- Support 4G/5G Full Band (Sub-6)
- NSA & SA modes
- 2.5 GE LAN port with PoE
- Integrated USB-C interface
- IPv4 & IPv6
- Built with Qualcomm X62
- APN Configuration
- TR069 remote management
- Support Wall, Pole and Window mounting



# **T5300 Specifications**

SIM Card Stot	Hardware Features			
SIM Card Slot   > 1 * Nano-SIM slot   > 1 * Nano-SIM slot   > 1 * Vasao, (Type-C)   > 5 * Support e SIM / UICC / ISIM with TEE     > 1 * USB3.0 (Type-C)   > 5 * Support OTG   > Antenna   - 2 * High-gain directional antenna (ITZR)   - 2 * Full frequency omni-directional antenna (ITZR)   - 2 * Full frequency omni-directional antenna (ITZR)   > Gain: 9 dBi   > Transmit Power: 29 dBm (PC-1.5)   > Receive Sensitivity: +85 dBm (100MHz BW), N78   > Half Power Beamwidth: > ±60° AZ & EL   > Sub6, 3GPP Release 16   > 56 / LTE Chipset: Qualcomm X62   > 56 NR 5 & NSA/4G LTE/WCDMA   > 56 Sub-6 frequency bands (NSA&SA): n1/n2/n3/n5/n7/n8/n12/n3/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n5/n7/n8/n12/n3/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n5/n7/n8/n12/n3/n3/n14/n18/n18/n18/n18/n18/n18/n18/n18/n18/n18	Ethernet Port	> 1 * 2.5Gbps LAN		
SIM Card Slot   Support eSIM / UICC / ISIM with TEE		> PoE Power Supply, IEEE 802.3af		
Support eSiM / UICC / ISIM with TEE	SIM Card Slot	> 1 * Nano-SIM slot		
Support OTG		> Support eSIM / UICC / ISIM with TEE		
> Support OTG  > Antenna - 2 * High-gain directional antenna (1T2R) - 2 * Full frequency omni-directional antenna (1T2R) - 2 * Full frequency omni-directional antenna (1T2R)  > Gain: 9dBi > Transmit Power: 29dBm (PC-1.5) > Receive Sensitivity: -85dBm(100MHz BW), N78 > Half Power Beamwidth: > ±60° AZ & EL  > Sub6, 3GPP Release 16 > 5G/ LTE Chipset: Qualcomm X62 > 5G NR 5A & NSA/4G LTE/WCDMA  5G Sub-6 frequency bands (NSA&SA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/ n66/n70/n71/n75/n76/n77/n778/n79 > Sub-6 Max Bandwidth: 100MHz  > Category: DL Cat 19/ UL Cat18 > FDD: 81/82/83/84/85/87/88/812/813/814/817/818/819/820/825/826/828/829/ 830/832/866/871 > TDD: 834/838/839/840/841/842/843/846(LAA)/848  WCDMA  B1/82/84/85/88/819  LED Indicators  Protective design  Protective design  Protective design  Power consumption (PSU): 7-8W  Operating environment  Operating environment	USB interface	> 1 * USB3.0 (Type-C)		
- 2 * High-gain directional antenna (1T2R) - 2 * Full frequency omni-directional antenna (1T2R) - 2 * Full frequency omni-directional antenna (1T2R) - 3 dain: 9dBi > Transmit Power: 29dBm (PC-1.5) > Receive Sensitivity: -85dBm (100MHz BW), N78 > Half Power Beamwidth: > ±60° AZ & EL		> Support OTG		
- 2 * Full frequency omni-directional antenna (172R)  > Gain: 9dBi > Transmit Power: 29dBm (PC-1.5) > Receive Sensitivity: -85dBm (100MHz BW), N78  > Half Power Beamwidth: > ±60° AZ & EL  > Sub6, 3GPP Release 16 > 56/ LTE Chipset: Qualcomm X62 > 56 NR Features    S6 Sub-6 frequency bands (NSA&SA):   n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/   n66/n70/n71/n75/n76/n777n78/n79   Sub-6 Max Bandwidth: 100MHz   Category: DL Cat 19/ UL Cat18   FDD: B1/82/83/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71   TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48   WCDMA	Antenna	> Antenna		
Antenna		- 2 * High-gain directional antenna (1T2R)		
> Transmit Power: 29dBm (PC-1.5) > Receive Sensitivity: -85dBm(100MHz BW), N78 > Half Power Beamwidth: > ±60° AZ & EL  > Sub6, 3GPP Release 16 > 5G/ LTE Chipset: Qualcomm X62 > 5G NR SA & NSA/4G LTE/WCDMA  5G NR Features  > 5G Sub-6 frequency bands (NSA&SA):		- 2 * Full frequency omni-directional antenna (1T2R)		
> Receive Sensitivity: -85dBm(100MHz BW), N78 > Half Power Beamwidth: >±60° AZ & EL  > Sub6, 3GPP Release 16 > 5G/ LTE Chipset: Qualcomm X62 > 5G NR SA & NSA/4G LTE/WCDMA  5G NR Features  > 5G Sub-6 frequency bands (NSA&SA):				
> Half Power Beamwidth: >±60° AZ & EL  > Sub6, 3GPP Release 16 > 5G/ LTE Chipset: Qualcomm X62 > 5G NR SA & NSA/4G LTE/WCDMA  > 5G Sub-6 frequency bands (NSA&SA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/ n66/n70/n71/n75/n76/n77/n78/n79 > Sub-6 Max Bandwidth: 100MHz  Category: DL Cat 19/ UL Cat18 > FDD: B1/B2/B3/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/ B30/B32/B66/B71 > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA  B1/B2/B4/B5/B8/B19  LED Indicators  1 * Power indicator (Red, Green, Green) > 1 * 5G signal indicator (Red, Green, Blue)  Reset Button  Dimension  > 1 * RST Button  Dimension  > 135mm * 210mm * 40mm (L * H * W)  Net weight  Protective design  > IP65 Dust-proof and Water-proof > 4KV lightning protection  > Power consumption (PSU): 7~8W > Operation temperature: -20°C ~ +85°C > Storage temperature: -40°C ~ +85°C		> Transmit Power: 29dBm (PC-1.5)		
> Sub6, 3GPP Release 16 > 56/ LTE Chipset: Qualcomm X62 > 56 NR Features  > 56 NR Features  > 56 NR Features  > 56 Sub-6 frequency bands (N5A&SA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/ n66/n70/n71/n75/n76/n77/n78/n79 > Sub-6 Max Bandwidth: 100MHz  > Category: DL Cat 19/ UL Cat18 > FDD: B1/82/83/84/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/ B30/B32/B66/B71 > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA  > B1/82/B4/B5/B8/B19  LED Indicators  > 1* Power indicator (Red, Green, Green) > 1* 5G signal indicator (Red, Green, Blue)  Reset Button  Dimension  > 135mm * 210mm * 40mm (L * H * W)  Net weight  > 545g  Basic  Protective design  > Power consumption (PSU): 7~8W		> Receive Sensitivity: -85dBm(100MHz BW), N78		
> 5G / LTE Chipset: Qualcomm X62 > 5G NR SA & NSA/4G LTE/WCDMA  5G NR Features  > 5G Sub-6 frequency bands (NSA&SA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/ n66/n70/n71/n75/n76/n77/n78/n79 > Sub-6 Max Bandwidth: 100MHz  > Category: DL Cat 19/ UL Cat18 > FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/ B30/B32/B66/B71 > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA  > B1/B2/B4/B5/B8/B19  LED Indicators  > 1* Power indicator (Red, Green, Green) > 1 * SG signal indicator (Red, Green, Blue)  Reset Button  Dimension  > 1* RST Button  Dimension  > 135mm * 210mm * 40mm (L * H * W)  Net weight  > 545g   Basic  Protective design  > Power consumption (PSU): 7~8W > Operating environment  Operating environment  Operating environment		> Half Power Beamwidth: > ±60° AZ & EL		
>5G NR SA & NSA/4G LTE/WCDMA >5G Sub-6 frequency bands (NSA&SA): n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/ n66/n70/n71/n75/n76/n77/n78/n79 >Sub-6 Max Bandwidth: 100MHz  Category: DL Cat 19/ UL Cat18 >FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/ B30/B32/B66/B71 >TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA >B1/B2/B4/B5/B8/B19  LED Indicators  1* Power indicator (Red, Green, Green) >1 * SG signal indicator (Red, Green, Blue)  Reset Button  Dimension >1 * RST Button  Dimension >135mm * 210mm * 40mm (L * H * W)  Net weight >545g  Basic  Protective design  >Protective design  >Power consumption (PSU): 7~8W > Operating environment  Operating environment  >Storage temperature: -40°C ~ +85°C		> Sub6, 3GPP Release 16		
5G NR Features         > 5G Sub-6 frequency bands (NSA&SA):           n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/           n66/n70/n71/n75/n76/n777/n78/n79           > Sub-6 Max Bandwidth: 100MHz           > Category: Dt Cat 19/ Ut Cat18           > FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71           > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48           WCDMA         > B1/B2/B4/B5/B8/B19           LED Indicators         > 1* Power indicator (Red, Green, Green)           > 1 * 5G signal indicator (Red, Green, Blue)           > 1 * ST Button           Dimension         > 135mm * 210mm * 40mm (L * H * W)           Net weight         > 545g           Basic           Protective design         > IP65 Dust-proof and Water-proof           > 4KV lightning protection         > Power consumption (PSU): 7~8W           Operating environment         > Operation temperature: -20°C ~ +55°C           > Storage temperature: -40°C ~ +85°C		> 5G/ LTE Chipset: Qualcomm X62		
n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/   n66/n70/n71/n75/n76/n77/n78/n79   > Sub-6 Max Bandwidth: 100MHz   Category: DL Cat 19/ UL Cat18   FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/   B30/B32/B66/B71   > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48   WCDMA		> 5G NR SA & NSA/4G LTE/WCDMA		
Net weight   Stage	5G NR Features	> 5G Sub-6 frequency bands (NSA&SA):		
> Sub-6 Max Bandwidth: 100MHz  > Category: DL Cat 19/ UL Cat18 > FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA > B1/B2/B4/B5/B8/B19  LED Indicators > 1 * Power indicator (Red, Green, Green) > 1 * 5G signal indicator (Red, Green, Blue)  Reset Button > 1 * RST Button  Dimension > 135mm * 210mm * 40mm (L * H * W)  Net weight > 545g  Basic  Protective design > IP65 Dust-proof and Water-proof > 4KV lightning protection > Power consumption (PSU): 7~8W > Operation temperature: -20°C ~ +55°C > Storage temperature: -40°C ~ +85°C		n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/		
Category: DL Cat 19/ UL Cat18		n66/n70/n71/n75/n76/n77/n78/n79		
4G LTE Features       > FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71         NCDMA       > B1/B2/B4/B5/B8/B19         LED Indicators       > 1 * Power indicator (Red, Green, Green)         > 1 * SG signal indicator (Red, Green, Blue)         Reset Button       > 1 * RST Button         Dimension       > 135mm * 210mm * 40mm (L * H * W)         Net weight       > 545g         Basic         Protective design         AKV lightning protection         > Power consumption (PSU): 7~8W         > Operating environment       > Storage temperature: -20°C ~ +55°C         > Storage temperature: -40°C ~ +85°C		> Sub-6 Max Bandwidth: 100MHz		
## AG LTE Features  ## B30/B32/B66/B71    TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  ## WCDMA   B1/B2/B4/B5/B8/B19    LED Indicators   Nest a growth of the provided HTML of		> Category: DL Cat 19/ UL Cat18		
B30/B32/B66/B71  > TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48  WCDMA  B1/B2/B4/B5/B8/B19  > 1 * Power indicator (Red, Green, Green)  > 1 * 5G signal indicator (Red, Green, Blue)  Reset Button  Dimension  > 135mm * 210mm * 40mm (L * H * W)  Net weight  > 545g  Basic  Protective design  Protective design  Prower consumption (PSU): 7~8W  Operating environment  Operating environment  B30/B32/B66/B71  > 1* Power indicator (Red, Green, Blue)    1 * FST Button	4G LTE Features	> FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/		
WCDMA > B1/B2/B4/B5/B8/B19  LED Indicators > 1 * Power indicator (Red, Green, Green)		B30/B32/B66/B71		
See to Button		>TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48		
Reset Button   > 1 * 5G signal indicator (Red, Green, Blue)	WCDMA	> B1/B2/B4/B5/B8/B19		
> 1 * 5G signal indicator (Red, Green, Blue)  Reset Button  > 1 * RST Button  > 135mm * 210mm * 40mm (L * H * W)  Net weight  > 545g  Basic  Protective design  > IP65 Dust-proof and Water-proof > 4KV lightning protection  > Power consumption (PSU): 7~8W > Operating environment  > Storage temperature: -40°C ~ +85°C	LED Indicators	> 1 * Power indicator (Red, Green, Green)		
Dimension > 135mm * 210mm * 40mm (L * H * W)  Net weight > 545g  Basic  Protective design		> 1 * 5G signal indicator (Red, Green, Blue)		
Net weight > 545g  Basic  Protective design	Reset Button	> 1 * RST Button		
Protective design  > IP65 Dust-proof and Water-proof  > 4KV lightning protection  > Power consumption (PSU): 7~8W  > Operating environment  > Storage temperature: -40°C ~ +85°C	Dimension	> 135mm * 210mm * 40mm (L * H * W)		
Protective design  > IP65 Dust-proof and Water-proof  > 4KV lightning protection  > Power consumption (PSU): 7~8W  > Operating environment  > Storage temperature: -40°C ~ +85°C	Net weight	> 545g		
Protective design > 4KV lightning protection  > Power consumption (PSU): 7~8W  > Operation temperature: -20°C ~ +55°C  > Storage temperature: -40°C ~ +85°C	Basic Basic			
> 4KV lightning protection  > Power consumption (PSU): 7~8W  > Operation temperature: -20°C ~ +55°C  > Storage temperature: -40°C ~ +85°C	Protective design	> IP65 Dust-proof and Water-proof		
Operating environment > Operation temperature: -20°C ~ +55°C > Storage temperature: -40°C ~ +85°C		> 4KV lightning protection		
Operating environment > Storage temperature: -40°C ~ +85°C	Operating environment	> Power consumption (PSU): 7~8W		
Operating environment > Storage temperature: -40°C ~ +85°C		> Operation temperature: -20°C ~ +55°C		
		·		
		·		

	> Desktop, Wall Mount, Pole Mount, Window Mount			
Installation methods	> Vertical Rotation Angle: ±40° Angle			
	> Horizontal rotation: ±40° angle			
Management & Application				
	• NSA • SA			
	Downlink: Up to 2.4Gbps Dov	vnlink: Up to 2.4Gbps		
	Uplink: Up to 550 Mbps Upl	ink: Up to 900 Mbps		
	> Support IPv4 / IPv6 / IPv4 & IPv6			
	> Support NAT, IP Passthrough			
	> Support DHCP / DHCPv6 Server			
	> Support 4G/5G Network Services			
Network Performance	> Support NSA/SA Networking Modes			
	> Support Data Roaming			
	> Support APN			
	> Support PIN Code, PUK Code Verification			
	> Support PLMN Lock, Cell Lock			
	> Support Static Routing			
	> Support GRE/EoGRE			
	> Support Firewall Filtering Rules			
	> Network Management Interface: Su	upports web configuration		
Management Applications	> Multi-user level management: Administrator, User			
	> Support Firmware upgrade, Restore factory settings, Reboot			
	> Support FOTA			
	> Support Batch Deployment			
	> Support SNMPv2, TR069			
	> Support FTP/TFTP/HTTPS Auto-provision			
	> Support Telnet			
	> Local and Remote Syslog			
	> SNTP Time Synchronization			
	> Support Packet Tracing, PING, Traceroute, Nslookup, TWAMP			
Package Content				
Details	> Flyingvoice T5300			
		Adapter, 1 * CAT6 5-meter Network Cable		
	> Metal Bracket Bag, Screw Bag			
	> Quick Installation Guide			
	Certifica	tion		
	44			
Certificated by	CE F©			



# **About Flyingvoice**

Founded in 2007, Flyingvoice is a high-tech company specialising in VOIP terminal products and 5G FWA products. We have research facilities in Bangkok, Hong Kong and Shenzhen, and manufacturing facilities in Shenzhen, China and Vietnam.

Over the past decade, Flyingvoice has developed three main product lines: IP Phones, POTS Replacement and 5G FWA. Our mission is to provide customers with a one-stop solution for voice and data communications, along with a comprehensive range of POTS replacement solutions.

Flyingvoice products meet rigorous telecom-grade testing standards and are widely used in the carrier market. Flyingvoice's POTS replacement products are widely used by carriers in South Korea and North America. Flyingvoice's IP Phone products are widely used in carrier deployments in South Korea, India and China, while Flyingvoice's 5G FWA products are widely used by carriers in China and India.

At the same time, Flyingvoice is placing significant emphasis on supporting the enterprise integration market. To support its global integrator partners, we have established a comprehensive technical support system. Our network of distributors and integrator partners extends across strategic countries and regions globally.

## Copyright

Copyright © Flyingvoice Network Technology Co., Ltd. All rights reserved. No parts of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, photocopying, recording, or otherwise, for any purpose, without the express written permission of Flyingvoice Network Technology Co., Ltd.

## **Technical Support**

Visit www.flyingvoice.com for product documents and FAQ, or contact Flyingvoice by email at support@flyingvoice.com. We'll get you the help you need.



Flyingvoice Network Technology Co., Ltd.

Website: Web: www.flyingvoice.com

Add: 1801-1802, Building 1, Chongwen Park, Nanshan Zhiyuan, Nanshan District, Shenzhen, China

Copyright© Flyingvoice Network Technology Co., Ltd. All Rights Reserved