



Vforce D1000

Wireless Gigabit Terminal

It's a 802.11ad technology based 60Ghz outdoor wireless transmission device. It provides low latency and huge bandwidth for lots of outdoor applications.



300m



High anti-interference capability



Ultra high-speed



High reliability



Easy to deploy

Specification

SOC	IPQ 8078A: quad core A53s@2.2GHz
RAM	DDR RAM : 2GB
Flash	NOR Flash : 32MB Nand Flash : 256MB
11ad	Support frequency: CH1/CH2/CH3 FOV: $\pm 20^\circ$ Beam width : 10° EIRP : 44 dBm
Wireless throughput	Up to 1.7 Gbps
Wired interface	1*GE POE 1*DSFP (10G/5G/2.5G/GE)
Latency	< 1ms
MTU	1500byte
Exchange capacity	200kpps@ 64byte
Power Supply	48V passive POE
Power consumption	20W
Operation interface	Wired port or 2.4GHz WiFi
Operation method	Built-in web server to maintain devices through web pages Support SNMP
Reset	Support one key to restore factory settings
Operating temperature	-20~55°C
Software Features	<ul style="list-style-type: none">• ACL• Last words• Remote power-off• DCN management• Internal speedtest tool• Auto Channel selection• CA upload and download• White list, up to 1000 items• Strong encryption algorithm: 24-bit PBKDF2 Salt• Monitoring , configuring, and alarming via SNMP• Account management and authority management

Performance Highlights

- **High anti-interference capability**
 - The 60 GHz band is less congested than sub-6GHz band, thus there are much lesser interferences.
 - VForce D1000 uses a variety of 5G technologies, such as massive MIMO, beam-forming, etc.. By using narrow beam directional antenna, the transmission distance and anti-interference capability can be improved greatly.

● Ultra high-speed

- VForce D1000's channel spectrum bandwidth is as high as 2.16GHz. With high-performance modulation and demodulation coding scheme, VForce's wireless throughput is up to 1.7Gbps@300 meters distance, and 1Gbps@1KM , which can meet the applications of 4K high-definition video, 5G base-station to base-station transmissions, etc..

● High reliability

- The VForce D1000 link delay is less than 50 microseconds, making it as fast as fiber, and thus suitable for the high reliable application scenarios.
- AES-256 high-grade air interface encryption provides a secure transmission channel for the applications that need highly security.
- High reliability design for outdoor such as IP67 and 10 kV lightning protection make the product work in all kind of harsh environments.

● Easy to deploy

- VForce D1000 has proper size and is convenient for installation. It supports automatic alignment and connection, making the deployment safe and fast.
- For easy configuration, it support 2.4G WiFi connection so that the user can use cell phone or laptop to configure VForce via WiFi connection.
- The interface of VForce D1000 includes 1x Gigabit POE port and 1x SPF port (supporting 10 Gbps). The Gigabit POE port is used for power supply and data transmission, and the SPF port is used for high-speed data transmission.

Dimensions

