

Wireless Network Transmission System

Key Features



- Support in-band frequency hopping to reduce interference
- Provide up to 30Mbps data stream, adaptive dynamic bit stream allocation technology
- Support non-line-of-sight (NLOS) high-speed mobile transmission
- Support point-to-point, point-to-multipoint (up to 16 points)
- Applications: UAV, robot image data transmission and co-frequency networking transmission.

SVN-D916 is a point-to-multipoint broadband and transparent data transmission device. Based on LTE wireless communication standard, it adopts OFDM (Orthogonal Frequency Division Multiplexing), MIMO (Multi-Input & Multi-Output), SDR (Software Defined Radio) and other key technologies to support multiple bandwidth allocation (3/5/10/20MHz). The flat system architecture design effectively reduces system delay and improves system transmission capability. It has the characteristics of long transmission distance, large data throughput and strong anti-interference.

Technical parameters

Model	SVN-D916
Working frequency	806~826 MHz , 1427.9~1447.9 MHz , 2401.5~2481.5 MHz
Modulation mode	TDD-OFMD
RF power	MAX 25dBm,Adjustable
Channel bandwidth	3/5/10/20MHz
Time delay	≤200ms
Sensitivity	-103dBm@10MHz, -97dBm@20MHz
Transmission mode	Full duplex
Support protocol	Transparent transmission
Serial Port Rate	115200bps
Transmission distance	Air-to-ground Max 20KM

RF interface	SMA*2
Interface	RS232*1 , RJ45*1 , USB*1
Power supply	DC12V
Power consumption	3W
Size	L79.6*W55.5*H23mm
Weight	85g
Operating temperature	-20°C ~ +70°C