

# ST20NPT

### Description

ST20NPT is a COFDM wireless communication equipment based on military standard. It supports 2.4GHz(2. 402~2. 478 GHz) and suitable for long distance, high code stream and wireless transmitting application. The transmitting rate up to be 3-5Mbps and the farthest transmission distance is 22km air to ground.



This model has advantages of light weight, mini size, low power consumption, high stability and receiving sensitivity. With RJ45 and TTL bidirectional serial port, this model can wireless transmit video and Ethernet Data.

#### **Features**

Working temperature: -40 - +85°C

Support AES encryption

Double Ethernet Input

Range: air to ground 20km

Support: 2.4GHz (2.402 - 2.478 GHz) COFDM

Transmitting Power: 2000mW

Mode: Point to Point and Point to Multi-point
Frequency Bandwidth: 2/4/6/8Mhz Adjustable

Duplex Data Transmit: Support SBUS/PPM/TTL/RS232/MAVLINK

#### **Parameter**

Frequency	2.4GHz (2.402-2.478GHz)
RF Transmitting Power	33dBm(air to ground 18-22km)
Frequency Bandwidth	2/4/6/8MHz
Antenna	1T1R
Adjustment mode of bit rate	Software adjustment
Communication Channel Encryption	WEP, WPA(PSK), WPA2(PSK), WPA+WPA2 (PSK), AES 125/256
Transmission Mode	point to point / point to multipoint
Start-up time	< 30s
Two-way function	Support video and duplex data simultaneously
Data	Support SBUS/PPM/TTL
Transmission Rate	3-5Mbps
Sensitivity	-100dbm@4Mhz, -95dbm@8Mhz
Power	DC 7-18V
Power Consumption	TX: 6Watts



	RX: 6Watts
Temperature	Operating temperature: -40 - +85°C
	Storage temperature: -55 - +100°C
Interface	Power input interface × 1
	Antenna interface × 2
	RS232 Bidirectional Port × 1
	Ethernet to USB / RJ45 on Windows × 1(TX), Ethernet Port x2(RX)
Indicator	RJ45 input/output indicator light
	Transmitting and receiving indicator light
	Transmitting and receiving indicator light
	Power light
Appearance Design	CNC technology/ double aluminum alloy shell with waterproof design
Size	TX: 76*73*24mm/RX: 68×48x15mm
Net Weight	TX: 146g
	Rx: 68g

## TX:



## RX

