

# OWBSectorStation N2



2.4GHz 300Mbps 12dBi Outdoor CPE

Model : OWB-SS-2G12



OWB SectorStation N2: (OWB-SS-2G12) is a new generation wireless product issued by VJNT Networks to apply to IEEE 802.11b/g/n technology. The real Max throughput can reach above 160Mbps. Using Qualcomm Atheros AR9344 high-performance processor with 2x2 MIMO Technology, OWB-SS-2G12 offers higher speeds and more long-distance wireless link transmission than ever before. It is powered by outside POE. The farthest outdoor transmitting distance is over 15Km.

Total equipment (including inner antenna) is just 26x10x6cm and 0.4Kg.

## OWB-SS-2G12 Features

- ◆ Friendly webpage management, convenient and efficient configuration
- ◆ Two different Web UI style for users' option
- ◆ Finish OEM setting in JUST one minute
- ◆ Provide through the browser page controlled Ethernet port. This port can be POE to realize the seamless integration output between IP video and wireless devices.
- ◆ Support open frequency from 2300 to 2700 MHz
- ◆ Support adjustable power
- ◆ Patented antenna technology

OWB-SS-2G12 is widely used in various fields of communication

- ◆ Point-to-point, Point-to-multipoint wireless communication
- ◆ Wireless Video Surveillance
- ◆ Enterprise wireless LAN interconnection
- ◆ Mobile operators WISP large customer access system
- ◆ Wi-Fi Wireless city coverage

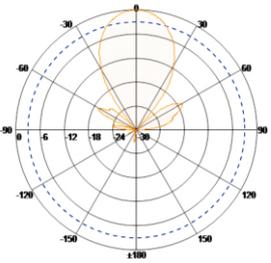
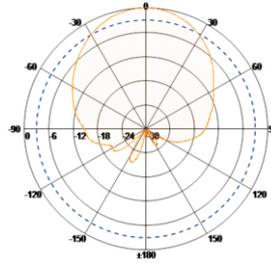
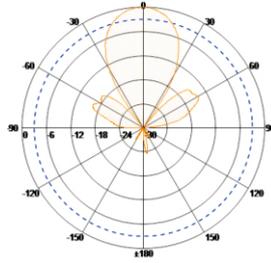
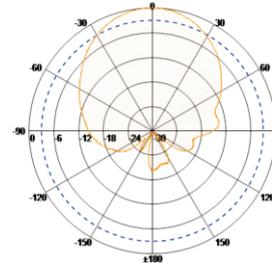


## Specifications

System Information	
Processor Specs	Atheros AR9344
Memory Information	64MB SDRAM、8MB Flash
Networking Interface	2x10/100 BASE-TX ( Cat.,RJ-45 ) Ethernet Interface

Operating Frequency 2300-2700 MHz							
Tx Power Specs				Rx Power Specs			
	Data Rate	Tx Power	Tolerance		Data Rate	Sensitivity	Tolerance
802.11b/g/n	1-24 Mbps	28 dBm	±2dB	802.11b/g/n	1-24 Mbps	-84 dBm	±2dB
	36 Mbps	26 dBm	±2dB		36 Mbps	-80 dBm	±2dB
	48 Mbps	25 dBm	±2dB		48 Mbps	-70 dBm	±2dB
	54 Mbps	24 dBm	±2dB		54 Mbps	-75 dBm	±2dB
802.11n	MCS0	28 dBm	±2dB	802.11n	MCS0	-96 dBm	±2dB
	MCS1	28 dBm	±2dB		MCS1	-95 dBm	±2dB
	MCS2	28 dBm	±2dB		MCS2	-92 dBm	±2dB
	MCS3	28 dBm	±2dB		MCS3	-90 dBm	±2dB
	MCS4	27 dBm	±2dB		MCS4	-86 dBm	±2dB
	MCS5	25 dBm	±2dB		MCS5	-83 dBm	±2dB
	MCS6	23 dBm	±2dB		MCS6	-77 dBm	±2dB
	MCS7	22 dBm	±2dB		MCS7	-74 dBm	±2dB
	MCS8	28 dBm	±2dB		MCS8	-95 dBm	±2dB
	MCS9	28 dBm	±2dB		MCS9	-93 dBm	±2dB
	MCS10	28 dBm	±2dB		MCS10	-90 dBm	±2dB
	MCS11	28 dBm	±2dB		MCS11	-87 dBm	±2dB
	MCS12	27 dBm	±2dB		MCS12	-84 dBm	±2dB
	MCS13	25 dBm	±2dB		MCS13	-79 dBm	±2dB
	MCS14	23 dBm	±2dB		MCS14	-78 dBm	±2dB
MCS15	22 dBm	±2dB	MCS15	-75 dBm	±2dB		

Performance Range	
Best transmission effect	5km
Maximum transmission distance	15km

专利天线			
Frequency	2.3-2.7GHz	VSWR	1.5 : 1
Gain	10.5-11.6dBi	V-Pol Beamwidth	55°
Isolation	23dB+	H-Pol Beamwidth	55°
Polarity	双线性极化 (V and H)	Vertical Plane Beamwidth	30°
VSWR		Isolation	
			
VPOL-E	VPOL-H	HPOL-E	HPOL-H

PHYSICAL / ELECTRICAL / ENVIRONMENTAL	
Enclosure Size	26 x10x6cm
Weight	0.4kg
Enclosure Characteristics	Outdoor UV Stabilized Plastic
Mounting Kit	Pole Mounting Kit included
Max. Power Consumption	8 Watts
Power Supply	24V, 0.5A surge protection integrated POE adapter included
Operating Temperature	- 40°C to +70°C
Operating Humidity	5 to 95% Condensing
Antivibration	ETSI300-019-1.4