

# SectorStation®N5

5GHz 300Mbps 16dBi Outdoor CPE



Model : SS-5G16



**SectorStation®N5:** (SS-5G16) is a new generation wireless product issued by VJIT Networks to apply to IEEE802.11a/n technology. The real Max throughput can reach above 160Mbps. Using Qualcomm Atheros AR9344 high-performance processor with 2x2 MIMO Technology, SS-5G16 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.

## SS-5G16 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 4920 to 6100 MHz
- ◆ Support adjustable power
- ◆ Patented antenna technology

**SS-5G16** 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

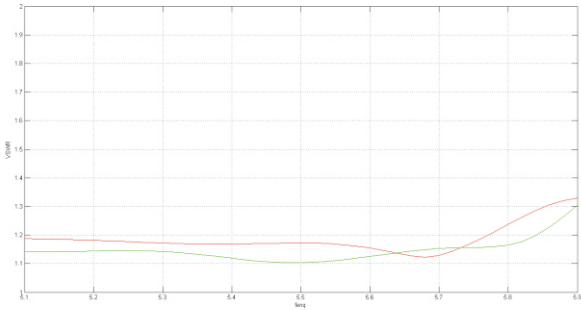
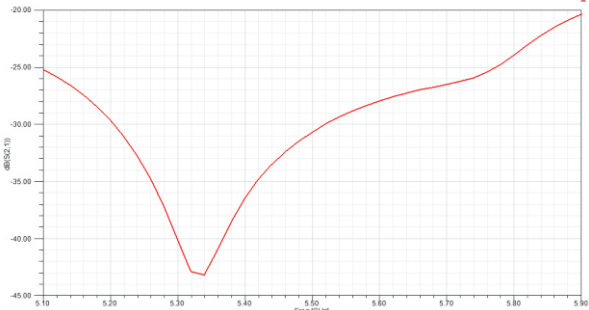
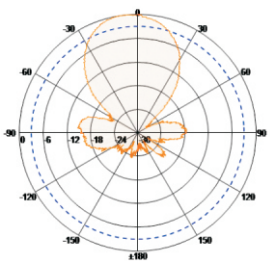
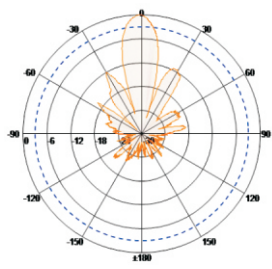
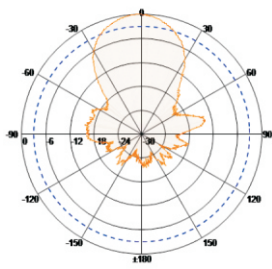
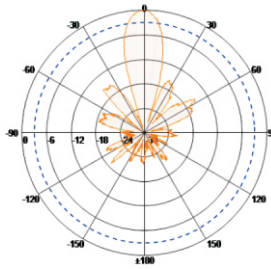


## Specifications

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 4920-6100 MHz							
Tx Power Specs				Rx Power Specs			
	Data Rate	Tx Power	Tolerance		Data Rate	Sensitivity	Tolerance
802.11a	6-24 Mbps	27 dBm	±2dB	802.11a	6-24 Mbps	-94 dBm	±2dB
	36 Mbps	25 dBm	±2dB		36 Mbps	-82 dBm	±2dB
	48 Mbps	23 dBm	±2dB		48 Mbps	-78 dBm	±2dB
	54 Mbps	22 dBm	±2dB		54 Mbps	-75 dBm	±2dB
802.11n	MCS0	27 dBm	±2dB	802.11n	MCS0	-93 dBm	±2dB
	MCS1	27 dBm	±2dB		MCS1	-88 dBm	±2dB
	MCS2	27 dBm	±2dB		MCS2	-86 dBm	±2dB
	MCS3	27 dBm	±2dB		MCS3	-82 dBm	±2dB
	MCS4	26 dBm	±2dB		MCS4	-80 dBm	±2dB
	MCS5	24 dBm	±2dB		MCS5	-75 dBm	±2dB
	MCS6	22 dBm	±2dB		MCS6	-73 dBm	±2dB
	MCS7	21 dBm	±2dB		MCS7	-72 dBm	±2dB
	MCS8	27 dBm	±2dB		MCS8	-93 dBm	±2dB
	MCS9	27 dBm	±2dB		MCS9	-89 dBm	±2dB
	MCS10	27 dBm	±2dB		MCS10	-87 dBm	±2dB
	MCS11	27 dBm	±2dB		MCS11	-82 dBm	±2dB
	MCS12	26 dBm	±2dB		MCS12	-81 dBm	±2dB
	MCS13	24 dBm	±2dB		MCS13	-75 dBm	±2dB
	MCS14	22 dBm	±2dB		MCS14	-73 dBm	±2dB
	MCS15	21 dBm	±2dB		MCS15	-72 dBm	±2dB

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

INTEGRATED 2x2 MIMO ANTENNA			
Frequency	4.9-6.1GHz	VSWR	1.5
Gain	14.6-16.2dBi	V-Pol Beamwidth	41°
Isolation	23dB+	H-Pol Beamwidth	43°
Polarity	Dual Polarity(V and H)	Vertical Plane Beamwidth	15°
			
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℃ to +70℃
Operating Humidity	5 to 95% Condensing
Antivibration	ETSI300-019-1.4

Software


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## **FCC statement**

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**“FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 74cm from nearby persons.”**

**“The device must not be co-located or operating in conjunction with any other antenna or transmitter.”**

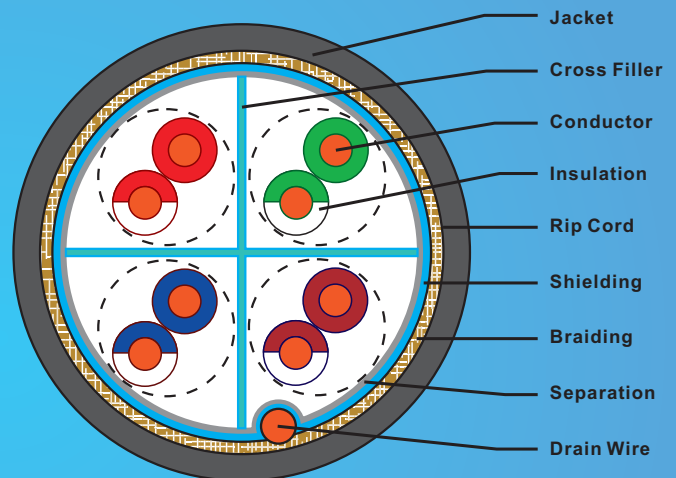
### **5 GHz devices only**

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. No configuration controls are provided for this wireless equipment allowing any change in the frequency of operations outside the FCC grant of authorization for US operation according to Part 15.407 of the FCC rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



## Outdoor Shielded Ethernet Cable



## Weatherproof Jacket

DSTP-5e Specifications	
Cable	CAT5e, Shielded
Ethernet Support	Up to 1 Gbps
Conductor Wire Gauge	24 AWG
Conductor	Solid Bare Copper
Conductor Diameter	0.500 ± 0.005 mm
Insulation Type	Solid PE
Insulation Thickness	AVG: 0.2mm, MIN: 0.18 mm
Insulation Diameter	0.91± 0.01 mm
Separation (Polyester Wrapping)	Thick: 0.036 mm, Extent: 18 mm
Anti-Crosstalk Divider	LDPE: 4.0*0.3 mm
Cable Shield (Aluminum Foil)	Thick: 0.15mm, Extent:18 mm
ESD Drain Wire	0.500 ± 0.005 TC
Rip Cord	Yes
Secondary Cable Shield (Braid)	16*8*0.15AA Density: 95%
Jacket Material	PE
Jacket Thickness	AVG: 0.64 mm, MIN: 0.62 mm
Jacket Outer Diameter	7.0 ± 0.3 mm
Jacket Color	Black
Reference Standard	ISO/IEC 11801, TIA/EIA568B.2