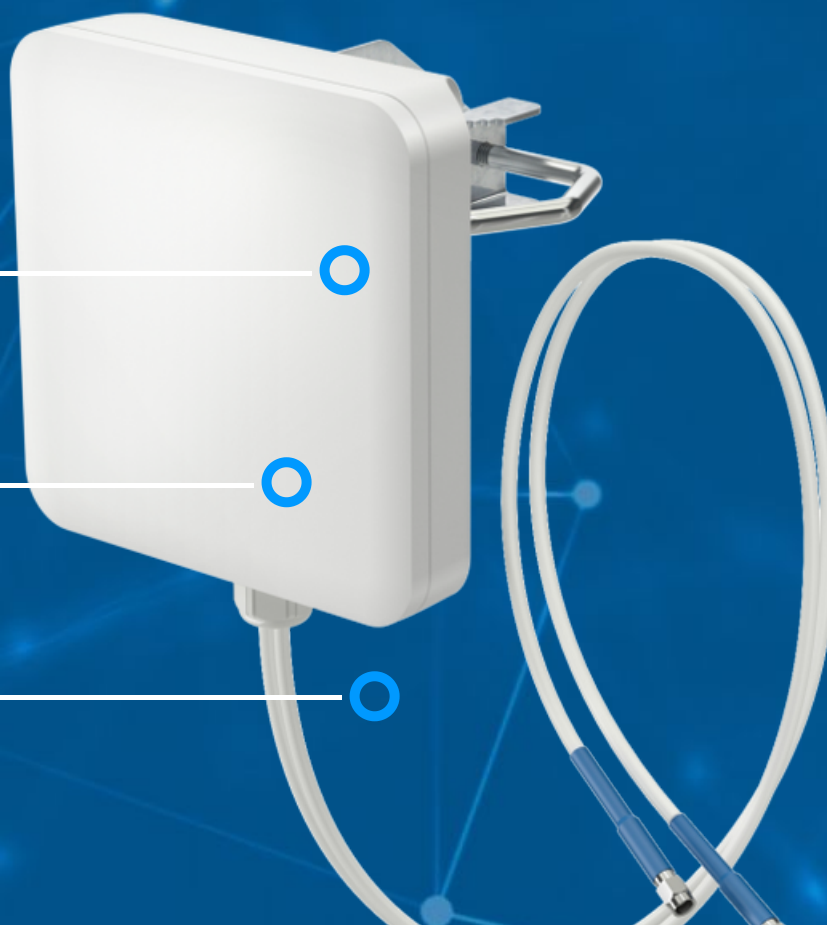


# QuSector 9HV-65-2 Wi-Fi 6E

**QuSector 9HV-65-2 Wi-Fi 6E offers a 65 degrees, 8dBi (2.4GHz) & 9dBi (5GHz-7GHz) gain signal. It is a perfect indoor and outdoor device for industrial installations.**

QuSector 9HV-65-2 is a concurrent dual band, H&V polarity, MIMO 2x2 panel antenna. It simultaneously operates at **2.4GHz** with 8dBi gain and at **5GHz-7GHz** with 9dBi gain. Due to its medium gain, it can be used on short or medium distances, for example for hotspots in schools, stadiums, offices or public places. It is a futureproof solution with **Wi-Fi 6E** and **Wi-Fi 7** support. High quality injection moulded enclosure allows to implement it alongside with indoor and IP67 outdoor solutions. Wide frequency range (2.4-2.5GHz & 5-7.125GHz) helps to find suitable frequency for the most effective operation. It is designed to be applied mainly to special access points working in the systems where two bands (frequencies) are diplexed for one antenna connector. The antenna comes with 2\*70cm (28inch) cables terminated with Nm, RPSMA, RPTNC connectors. QuSector 9HV-65-2 was designed to be a perfect match for your access point.

**Wi-Fi 6E****2x2 MIMO****2.4GHz + 5GHz  
6GHz + 7GHz****9 dBi****DIRECTIONAL****IP 67****-40° TO +80°****ADJUSTABLE, POLE MOUNTING  
SYSTEM****OUTDOOR ANTENNA WORKS IN ANY  
WEATHER CONDITIONS, IP67****MADE IN EUROPE**

## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5 - 7.125 GHz
GAIN	2.4 - 2.5 GHz: 8 dBi 5 - 7.125 GHz: 9 dBi
VSWR	< 1.80
BEAMWIDTH	2.4 - 2.5 GHz - 65°/65° 5 - 7.125 GHz - 60°/60°
POLARIZATION	Horizontal Vertical
IMPEDANCE	50 $\Omega$
SEPARATION BETWEEN CONNECTORS	2.4 - 2.5 GHz: > 33dB
FRONT-TO-BACK	2.4 - 2.5 GHz: 20dB 4.9 - 6 GHz: 25dB
MAX INPUT POWER	50W
DC GROUND	Yes

## MECHANICAL SPECIFICATION

MATERIAL	ABS
CONNECTOR	2xRPTNC/2xNM/2xRPSMA
OUTER DIMENSIONS	16.5 x 16.5 x 4.5 cm 6.5 x 6.5 x 1.77 inch
WEIGHT	0.9 kg
OPERATING TEMPERATURE	-40°C to +80°C -40°F to 176°F

## MOUNTING KIT

MATERIAL	Galvanized steel
WEIGHT	0.3 kg
MOUNTING PLACE	Mast
MAST DIAMETER	40-60 mm 1.57-2.36 inch

## COMPATIBLE ROUTERS

VARIANT: S9HV.65.2RT

DIGI	WR44 RR
DIGI	WR44 RR
XIRRUS	XR-520H
OTHER	2 * RPTNC

VARIANT: S9HV.65.2RS

TELTONIKA	RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX10, RUTX11, RUTX12, RUTX50
DIGI	TX54 LTE-Advanced
ROBUSTEL	EG5100, EG5120, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R5020, R5020 Lite
ACKSYS	AirBox LTE, AirBox/10, AirLink, AirWan, AirXroad, AirXroad/4P
ADVANTECH	EKI-1361(-MB) EKI-1362, EKI-6233BN, EKI-6333AC-2GD
ANYBUS	Wireless Router WLAN
ARUBA	AP-204, AP-504, IAP-204, RAP-108
CAMBIUM NETWORKS	ePMP 4600L
CRADLEPOINT	IBR600C, IBR900, R1900, R920, S700
D-LINK	DAP-1665, DAP-2020, DAP-2310, DAP-2360, DIS-2650AP, DWL-8720AP, N300 4G
DIGI	TX54 LTE-Advanced

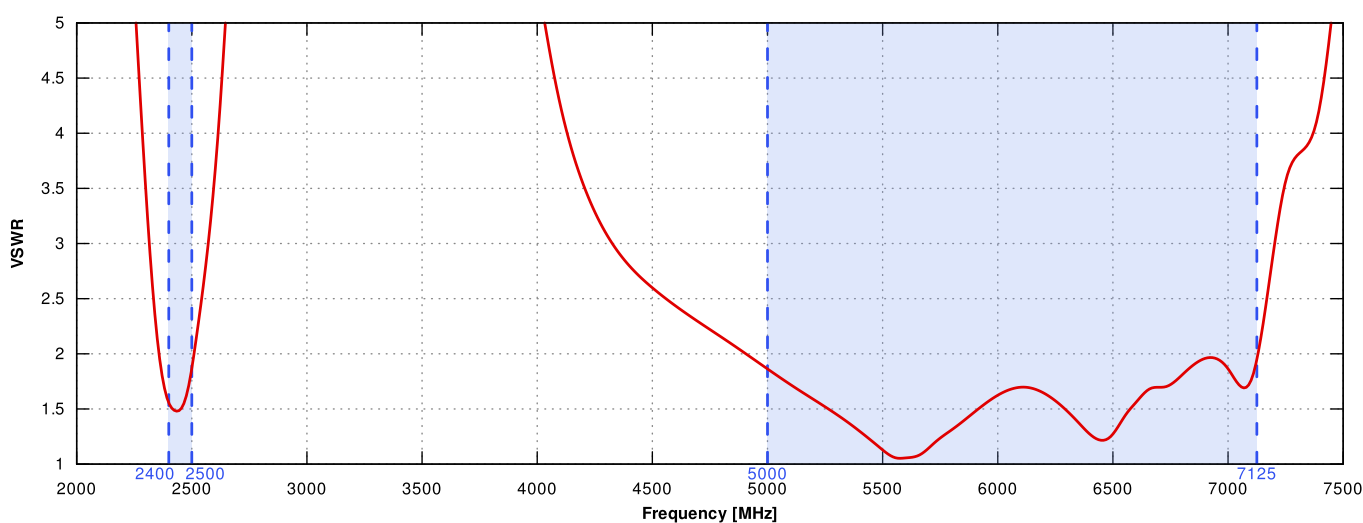
ENGENIUS	ENS500EXT
EXTREME NETWORKS	AP 7522, AP 7522E, AP122X, AP305CX
FORTINET	FAP-233G, FAP-U432F
HUAWEI	AP4051DN, AP4130DN, AP4151DN
MERU	AP1010E
MIKROTIK	L009UiGS-2HaxD-IN, RB922
MOXA	AWK-1131A Series, AWK-1137C Series, AWK-1151C Series, AWK-3131A Series, AWK-3252A Series
PEPLINK	AP One Rugged, B One, Balance 20X, BR1 Pro (CAT-20), BR1 Pro CAT-20, BR2 PRO, MAX BR1 Mini M2M, MAX BR1 MK2, MAX BR1 Pro, MAX BR1 Pro 5G, MAX Transit, MAX Transit Duo Pro, UBR Plus
PERLE	IOLAN SCG W Secure Console Server, IOLAN SCG WM Secure Console Server, IOLAN SDG W Serial Device Servers
ROBUSTEL	EG5100, EG5120, R1520 Global, R1520-4L (S), R1520-4L (V), R2010, R2011, R201x, R5020, R5020 Lite
SIERRA WIRELESS	AirLink RV55, AirLink RX55
TELTONIKA	RUT900, RUT901, RUT950, RUT951, RUT955, RUT956, RUTX10, RUTX11, RUTX12, RUTX50
WAVETEL	W240 4G/LTE, W2400 LTE , W3600 4G/LTE Dual WAN, WNR320 5G, WNR340 5G, WNR5601 5G
WLINK	ER120, G200, G230, G530, G530
ZYXEL	NWA55AXE
OTHER	2 * RPSMA

VARIANT: S9HV.65.2NM

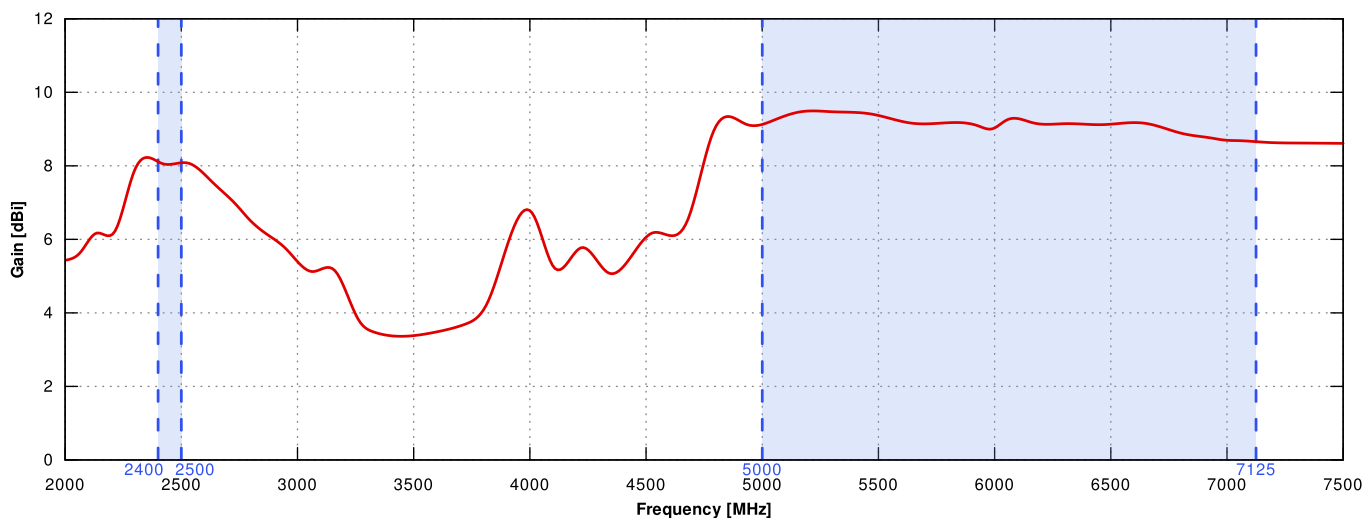
<b>ACKSYS</b>	RuggedAir100
<b>ANYBUS</b>	WLAN Access Point IP67
<b>CISCO</b>	Catalyst IW9165D
<b>D-LINK</b>	DBA-3621P
<b>EXTREME NETWORKS</b>	AP 3917
<b>MIKROTIK</b>	L11UG-5HaxD
<b>RUCKUS</b>	T350SE
<b>SIEMENS</b>	6GK5766-1GE00-7DB0, 6GK5766-1GE00-3DA0, 6GK5766-1GE00-3DB0, 6GK5766-1GE00-7DA0, 6GK5766-1GE00-7TA0, 6GK5766-1GE00-7TB0, Scalance W738 M12, Scalance W778-1 M12, Scalance W778-1 M12 EEC
<b>OTHER</b>	2 * N-male

## PLOTS

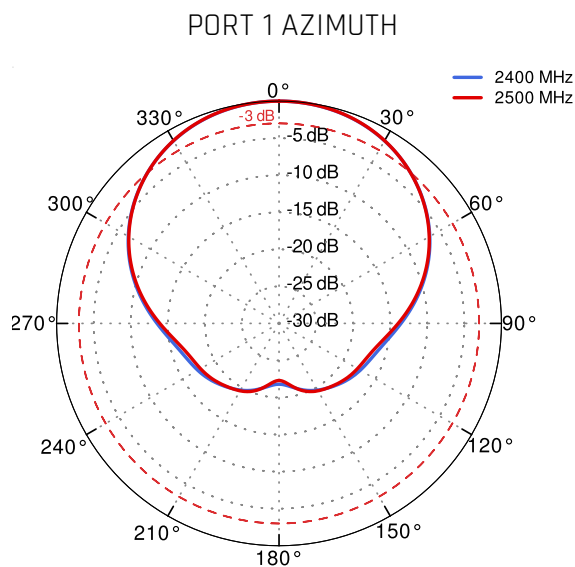
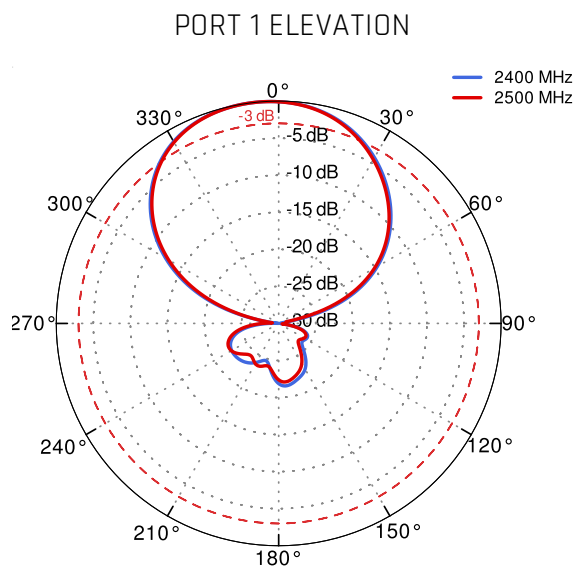
VSWR



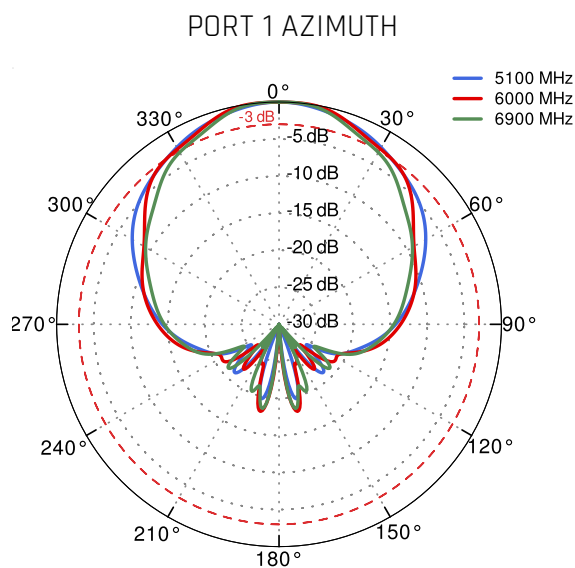
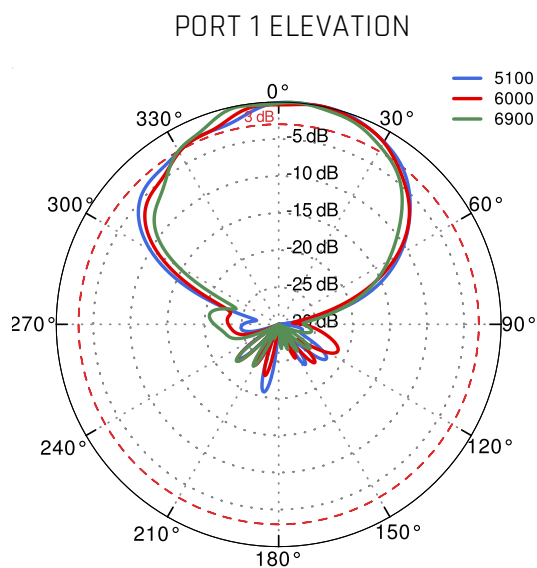
## Gain



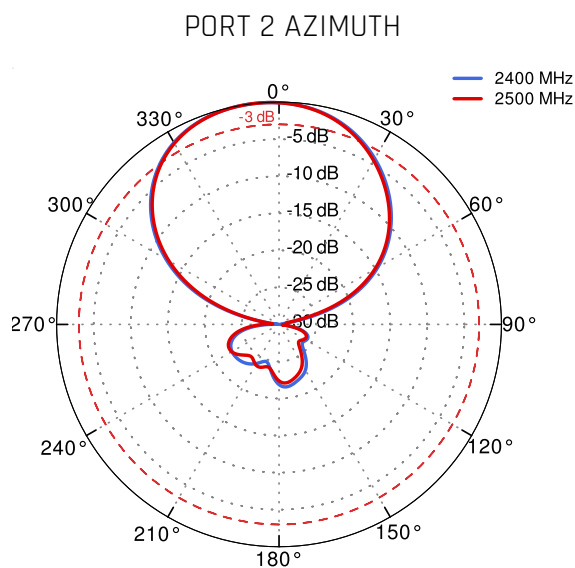
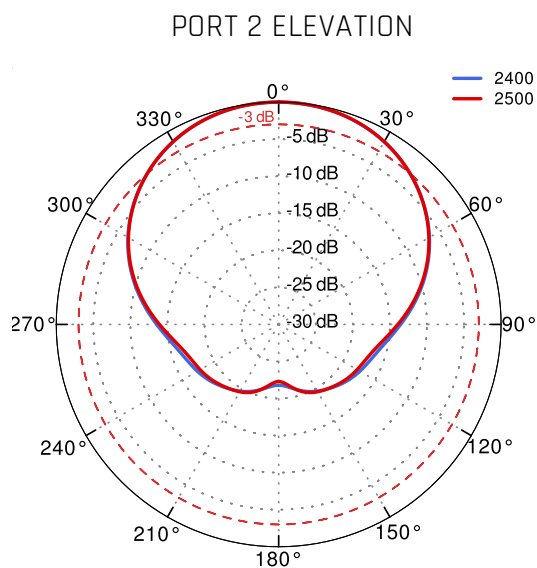
## Port 1 from 2.4GHz to 2.5GHz



## Port 1 from 5GHz to 6GHz

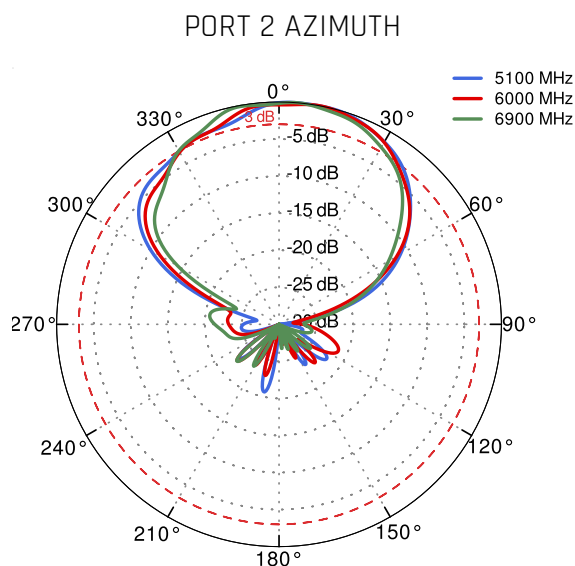
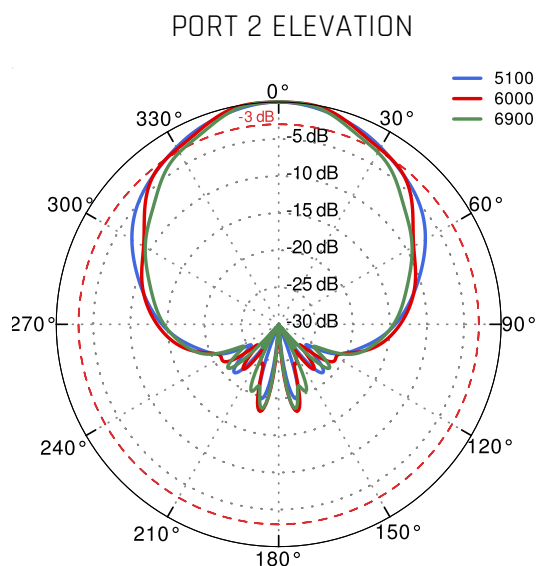


## Port 2 from 2.4GHz to 2.5GHz





## Port 2 from 5GHz to 6GHz



## DIMENSIONS

