

Data Sheet

RosenbergerUltra-wideband Panel MIMO Antenna
XPol, 2 X (698-960 & 1710-2700) MHz**S-Wave 8FW/8FW-65-8D-64K-
B6****Main Features**

Ultra-wideband Panel MIMO Antenna
Indoor 2G/3G/LTE Coverage
Dual Polarization
Slim Shape, Easy to Install
Support MIMO 2 x 2 for the Whole Band
Excellent PIM Performance

**Electrical Data**

Frequencies (MHz)	2 x (698-960 & 1710-2700)					
Sub-Bands (MHz)	698-806	806-960	1710-1880	1920-2170	2200-2500	2490-2700
Polarization	± 45°					
Peak Gain (dBi)	7±1	7.5±1	8.0±0.5	8.1±0.5	8.1±0.5	7.8±0.5
Horizontal 3dB Beamwidth (°)	70±10		75±12			
Vertical 3dB Beamwidth (°)	65±10		70±15			
F/B Ratio (dB),	≥10		≥15			
VSWR	≤ 2.0 : 1		≤ 1.5 : 1			
Isolation (dB)	>20		>23			
3rd Order PIM (dBc@2x43dBm)	≤ -150					
Impedance (Ω)	50					
Input Power per Port (W)	50					

Environmental Data

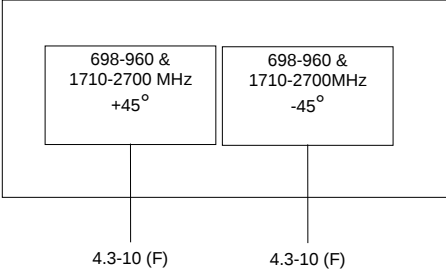
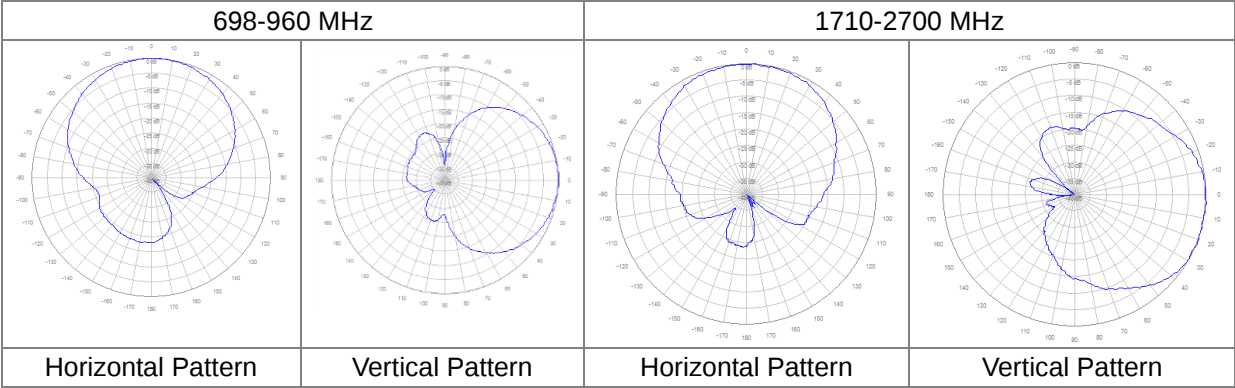
Operating Temperature Range	-30°C to +45°C
Storage Temperature Range	-40°C to +55°C
Relative Humidity	5% - 95%

Mechanical Data

Input Connectors	2 x 4.3-10 Female
Connector Position	Bottom
Pigtail Length	300 mm
Dimensions	305x186x63 mm
Weight	0.9 kg
Radome Material	ABS
Radome Color	RAL-9003 (White)
Mounting Kit	Included

Data Sheet	Rosenberger
Ultra-wideband Panel MIMO Antenna XPol, 2 X (698-960 & 1710-2700) MHz	S-Wave 8FW/8FW-65-8D-64K-B6

Patterns



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary. For environmental information, please refer to the following rosenberger web site: <https://www.rosenbergerap.com/content/Environment.aspx>

Draft	Date	Checker	Approved	Date	Rev.	Engineering Change Number	Name	Date
Lisa	22/11/16	chenhai	SH	22/11/16	1.2		MC.G	19/07/19
Rosenberger Hochfrequenztechnik GmbH & Co. KG Tel.: +49 8684 18-0 Fax: +49 8684 18-499 www.rosenberger.de Email : info@rosenberger.de					Rosenberger Technologies Co., Ltd. Tel.: +86 512 8689 6789 Fax: +86 512 8689 0666 www.rosenbergerap.com email: info@rosenbergerap.com			Page 2 / 2