



Passive Components & In-building Antennas

PROSE

Who We Are

Rosenberger Hochfrequenztechnik GmbH & Co. was founded in Germany in 1958 and ranks among the leading manufacturers of high-speed interconnect solutions worldwide. With its long tradition of excellence and innovation, Rosenberger has excelled and earned an outstanding reputation all over the world.

In early 2022 the Rosenberger Group announced the restructure of its antenna and coverage solution product portfolio with a new brand entity PROSE. The strategic focus of PROSE will be on the development of base station antennas, microwave antennas, indoor and outdoor coverage solutions, Open RAN sub-systems, data center, cabling system, IoT solutions, Automotive and related services.

As an independent entity, PROSE, with its lean, agile, and decentralized organizational structure, will be better placed to serve global customers and manage growth by bringing new technologies and solutions, aligned with the changing needs of customers in the telecom industry. The PROSE product portfolio will uphold Rosenberger’s tradition of the highest innovation and quality while delivering improved technology expertise and enhanced local customer support around the globe.

PROSE consists of more than 3500 people, with 40+ subsidiaries sales/service offices, 4 factories, and 7 R&D centers covering mainly North America, Europe, the Middle East, Africa, and Asia. It will continue to serve more than 100 operators/service providers worldwide including a wide set of customized solutions for 5G deployments.

PROSE is an ISO 9001 quality system and ISO 14001 environmental system certified company. Equipped with advanced machinery, automatically assembly, and testing centers supported by a large group of more than 400 R&D engineers, state-of-the-art production assembly lines, and stringent product and quality control.

PROSE’s reliability and competitiveness are the cornerstones of this sustainable growth, which have resulted in long-term partnerships with most of the leading companies in their respective industries. PROSE will continue to provide excellent product solutions and services for its customers around the world.



A: Suzhou, China
B: Pune, India
C: New Jersey, USA
D: New South Wales, Australia

Mission

- Customer always comes first
- Drive innovation together with and for our customers
- Maintain a secure, humane and happy environment for our employees
- Develop our employees by investing in their education
- Take social responsibility
- Protect our environment with ecologically friendly products, production and processes

Core Value

- Value Innovation
- Customer Focus
- Sustainable Growth
- Social Responsibility



Products & Services

Network Systems	Combiner Unit Master Unit Extended Unit Low Power Remote Unit (LPRU) High Power Remote Unit (HPRU)-Cabinet 4G High Power Remote Unit (HPRU)-Cabinet 5G High Power Remote Unit (HPRU)-Blade 4G High Power Remote Unit (HPRU)-Blade 5G Medium Power Remote Unit (MPRU) Passive DAS Components
BTS Antennas	Single-MultiBand Antennas Multibeam Antennas Beamforming Antennas Small Cell Antennas High Efficiency BSA (PROTREETM) 5G Massive MIMO Antennas Camouflage Products
Microwave Products	Class 3 Series Class 4 Series E-Band Series Dual-Band Series Microwave Components
O-RAN Radios	ORAN Radio Unit (ORU) Digital Control Unit (DCU) Small Cell
Archer Site Accessories	RF Coaxial Products Power Products Fiber Products Hybrid Cable Solution Installation Material
Digital World Products	Automatic Infrastructure Management System Building Cabling System Data Center Cabling System Edge Computing Data Center Modular Data Center MDC Cloud Management Platform
Filter Solutions	Interference Mitigation Filters Embedded Filters Site Combiners

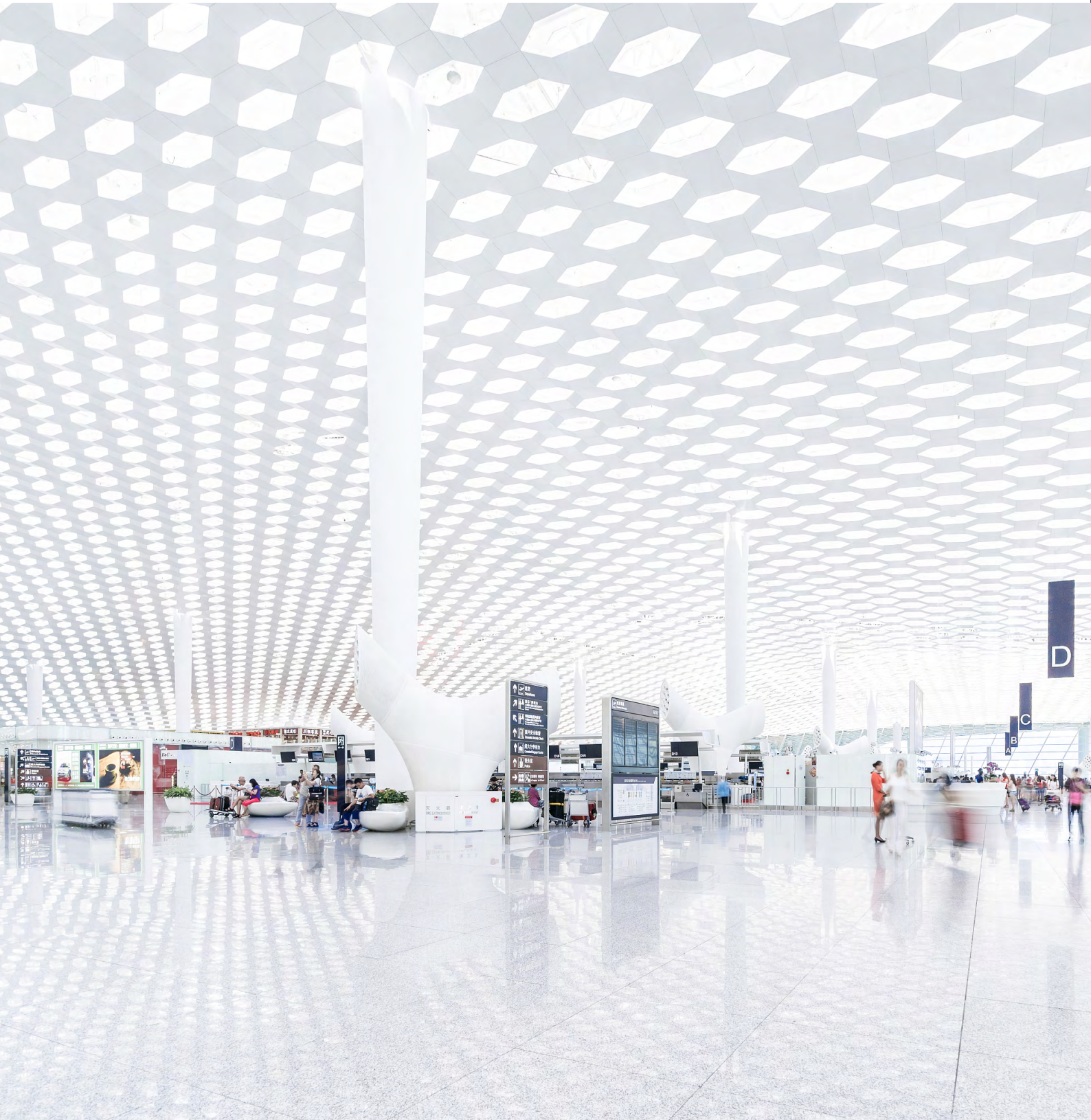
Contents

Passive Components	7
Couplers / Tappers	8
Directional Couplers	9
Hybrid Couplers	10
Power Splitters	11
Dummy Loads	12
Fixed Attenuators	13
IBS Antennas	14
Omni SISO	15
Omni MIMO	15
Panel SISO	16
Panel MIMO	16
Bi-Directional	17
Log-Periodic	17
Accessories	18
Antenna interference absorber	18
Mounting brackets	19
POI	20
19" Cabinet POI	20
Modular POI	21



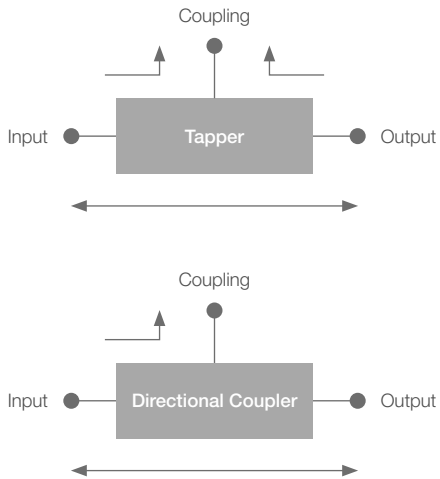
Passive Components

Electronic components that display their characteristics without the need for an external power source. Passive components are mainly resistance, inductance and capacitance components. Its common feature is that it can work when there is a signal without adding power in the circuit. PROSE provides high quality power splitters, directional couplers, and dummy loads and so on, which are manufactured to higher standards to ensure that active or passive system keeps the more efficient wireless networks.



Couplers / Tappers

The couplers and tappers have different coupling values, which are used for different applications. PROSE has already formed a passive portfolio to ensure that customer will get their preferable couplers / tappers.



Part Number	Description	Frequency Band	PIM	Insertion Loss	VSWR	Connector Type
C-5-0127-NF-B02	5dB	146-2700MHz	-155dBc	2.1dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-6-0127-NF-B02	6dB	146-2700MHz	-155dBc	1.7dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-7-0127-NF-B02	7dB	146-2700MHz	-155dBc	1.5dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-10-0127-NF-B02	10dB	146-2700MHz	-155dBc	1.0dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-15-0127-NF-B02	15dB	146-2700MHz	-155dBc	0.5dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-20-0127-NF-B02	20dB	146-2700MHz	-155dBc	0.4dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-30-0127-NF-B02	30dB	146-2700MHz	-155dBc	0.3dB	1.5 for Low-Band 1.3 for High-Band	N Female

Part Number	Description	Frequency Band	PIM	Insertion Loss	VSWR	Connector Type
C-5-0360-NF-B02	5dB	340-6000MHz	-155dBc	2.1dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-6-0360-NF-B02	6dB	340-6000MHz	-155dBc	1.7dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-7-0360-NF-B02	7dB	340-6000MHz	-155dBc	1.5dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-10-0360-NF-B02	10dB	340-6000MHz	-155dBc	1.0dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-15-0360-NF-B02	15dB	340-6000MHz	-155dBc	0.5dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-20-0360-NF-B02	20dB	340-6000MHz	-155dBc	0.4dB	1.5 for Low-Band 1.3 for High-Band	N Female
C-30-0360-NF-B02	30dB	340-6000MHz	-155dBc	0.3dB	1.5 for Low-Band 1.3 for High-Band	N Female

* 4.3-10 connector interface is also available for the above tapper products.

Directional Couplers

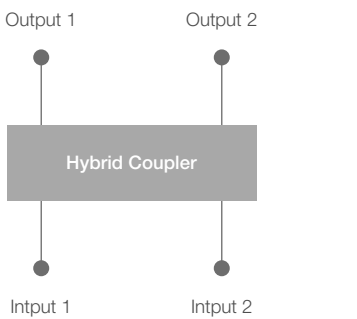
The directional coupler could be a good choice if there is isolation requirement between output port and coupling port. That will minimize the interference in the transmission link. PROSE has released complete series for different bands and coupling values.

Part Number	Description	Frequency Band	Directivity	PIM	Insertion Loss	VSWR	Connector Type
DC-5-9F-64F-04-T	5dB	698-4000MHz	20dB	-161dBc	2.1dB	1.25	4.3-10 Female
DC-5-9F-64F-07-T		698-3800MHz	20dB	-160dBc	2.1dB	1.25	4.3-10 Female
DC-5-9F-DF-01		698-3800MHz	20dB	-155dBc	2.1dB	1.25	DIN Female
DC-5-9F-NF-06		698-4000MHz	20dB	-155dBc	2.1dB	1.25	N Female
DC-6-9F-64F-04-T	6dB	698-4000MHz	20dB	-161dBc	1.7dB	1.25	4.3-10 Female
DC-6-9F-64F-07-T		698-3800MHz	20dB	-160dBc	1.7dB	1.25	4.3-10 Female
DC-6-9F-DF-01		698-3800MHz	20dB	-155dBc	1.7dB	1.25	DIN Female
DC-6-9F-NF-06		698-4000MHz	20dB	-155dBc	1.7dB	1.25	N Female
DC-7-9F-64F-04-T	7dB	698-4000MHz	20dB	-161dBc	1.5dB	1.25	4.3-10 Female
DC-7-9F-64F-07-T		698-3800MHz	20dB	-160dBc	1.5dB	1.25	4.3-10 Female
DC-7-9F-DF-01		698-3800MHz	20dB	-155dBc	1.5dB	1.25	DIN Female
DC-7-9F-NF-06		698-4000MHz	20dB	-155dBc	1.5dB	1.25	N Female
DC-10-9F-64F-04-T	10dB	698-4000MHz	20dB	-161dBc	1.0dB	1.25	4.3-10 Female
DC-10-9F-64F-07-T		698-3800MHz	20dB	-160dBc	1.0dB	1.25	4.3-10 Female
DC-10-9F-DF-01		698-3800MHz	20dB	-155dBc	1.0dB	1.25	DIN Female
DC-10-9F-NF-06		698-4000MHz	20dB	-155dBc	1.0dB	1.25	N Female
DC-15-9F-64F-04-T	15dB	698-4000MHz	20dB	-161dBc	0.5dB	1.25	4.3-10 Female
DC-15-9F-64F-07-T		698-3800MHz	20dB	-160dBc	0.5dB	1.25	4.3-10 Female
DC-15-9F-DF-01		698-3800MHz	20dB	-155dBc	0.5dB	1.25	DIN Female
DC-15-9F-NF-06		698-4000MHz	20dB	-155dBc	0.5dB	1.25	N Female
DC-20-9F-64F-04-T	20dB	698-4000MHz	20dB	-161dBc	0.4dB	1.25	4.3-10 Female
DC-20-9F-64F-07-T		698-3800MHz	20dB	-160dBc	0.4dB	1.25	4.3-10 Female
DC-20-9F-DF-01		698-3800MHz	20dB	-155dBc	0.4dB	1.25	DIN Female
DC-20-9F-NF-06		698-4000MHz	20dB	-155dBc	0.4dB	1.25	N Female
DC-30-9F-64F-04-T	30dB	698-4000MHz	20dB	-161dBc	0.3dB	1.25	4.3-10 Female
DC-30-9F-64F-07-T		698-3800MHz	20dB	-160dBc	0.3dB	1.25	4.3-10 Female
DC-30-9F-DF-01		698-3800MHz	20dB	-155dBc	0.3dB	1.25	DIN Female
DC-30-9F-NF-06		698-4000MHz	20dB	-155dBc	0.3dB	1.25	N Female

Part Number	Description	Frequency Band	Directivity	PIM	Insertion Loss	VSWR	Connector Type
DC-5-10F-64F-01-T	5dB	600-6000MHz	20dB	-161dBc	2.1dB	1.25	4.3-10 Female
DC-6-10F-64F-01-T	6dB	600-6000MHz	20dB	-161dBc	1.7dB	1.25	4.3-10 Female
DC-7-10F-64F-01-T	7dB	600-6000MHz	20dB	-161dBc	1.5dB	1.25	4.3-10 Female
DC-10-10F-64F-01-T	10dB	600-6000MHz	20dB	-161dBc	1.0dB	1.25	4.3-10 Female
DC-15-10F-64F-01-T	15dB	600-6000MHz	20dB	-161dBc	0.5dB	1.25	4.3-10 Female
DC-20-10F-64F-01-T	20dB	600-6000MHz	20dB	-161dBc	0.4dB	1.25	4.3-10 Female
DC-30-10F-64F-01-T	30dB	600-6000MHz	20dB	-161dBc	0.3dB	1.25	4.3-10 Female

Hybrid Couplers

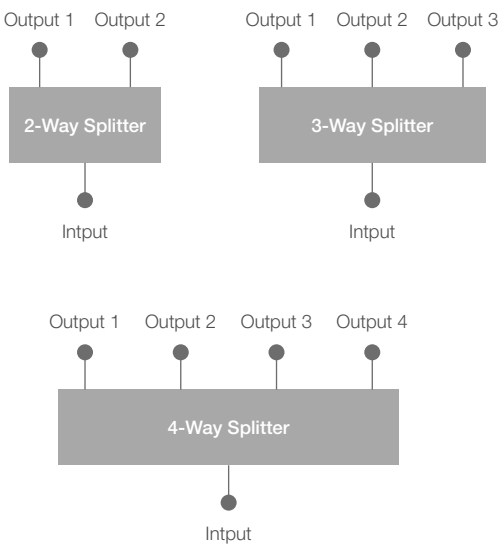
Hybrid coupler are often used for coupling the same band signal, which is one of special couplers. A hybrid coupler is a special case of directional coupler that divides an input signal evenly between two output ports with 3 dB coupling. PROSE offers different kinds of hybrid coupler with variety of connector type and levels of power handling for choice.



Part Number	Description	Frequency Band	PIM	VSWR	Connector Type
HM-3-9F-64F-04-T	2in/2out 3dB Type	698-4000MHz	-161dBc	1.3	4.3-10 Female
HM-3-9F-64F-08-T		698-3800MHz	-160dBc	1.3	4.3-10 Female
HM-3-9F-DF-06		698-4000MHz	-155dBc	1.3	DIN Female
HM-3-9F-NF-06		698-4000MHz	-155dBc	1.3	N Female
HM-3-10F-64F-01-T		600-6000MHz	-161dBc	1.3	4.3-10 Female
HM-5-8F-64F-A01	3in/3out 5dB Type	698-2700MHz	-160dBc	1.3	4.3-10 female
HM-5-10F-64F-A01		698-4000MHz	-160dBc	1.3	4.3-10 female
HM-6-8F-DF-01	4in/4out 6dB Type	698-2700MHz	-155dBc	1.3	DIN Female
HM-6-8F-NF-01		698-2700MHz	-155dBc	1.3	N Female
HM-6-9F-64F-A07		698-4000MHz	-155dBc	1.3	4.3-10 Female
HM-6-9F-DF-06		698-4000MHz	-155dBc	1.3	DIN Female
HM-6-9F-NF-06	2in/1out 3dB Type	698-4000MHz	-155dBc	1.3	N Female
HM-3-AF-DF-04		698-960MHz	-150dBc	1.3	DIN Female
HM-3-BF-DF-04		1710-2200MHz	-150dBc	1.3	DIN Female

Power Splitters

Predominantly there are two types of power splitters: coaxial and microstrip. Withing the PROSE portfolio, both variants are available up to 6GHz frequency range.



Part Number	Description	Frequency Band	PIM	Power Rating	VSWR	Connector Type
S-2-9F-NF-06	2-way	698-4000MHz	-155dBc	300W	1.3	N Female
S-2-9F-DF-04		698-4000MHz	-155dBc	500W	1.3	DIN Female
S-2-9F-64F-07-T		698-3800MHz	-160dBc	500W	1.3	4.3-10 Female
S-2-9F-64F-04-T		698-4000MHz	-161dBc	500W	1.3	4.3-10 Female
S-3-9F-NF-06	3-way	698-4000MHz	-155dBc	300W	1.3	N Female
S-3-9F-DF-04		698-4000MHz	-155dBc	500W	1.3	DIN Female
S-3-9F-64F-07-T		698-3800MHz	-160dBc	500W	1.3	4.3-10 Female
S-3-9F-64F-04-T		698-4000MHz	-161dBc	500W	1.3	4.3-10 Female
S-4-9F-NF-06	4-way	698-4000MHz	-155dBc	300W	1.3	N Female
S-4-9F-DF-04		698-4000MHz	-155dBc	500W	1.3	DIN Female
S-4-9F-64F-07-T		698-3800MHz	-160dBc	500W	1.3	4.3-10 Female
S-4-9F-64F-04-T		698-4000MHz	-161dBc	500W	1.3	4.3-10 Female

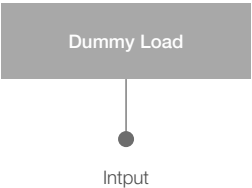
Part Number	Description	Frequency Band	PIM	Power Rating	VSWR	Connector Type
S-2-10F-64F-01-T	2-way	600-6000MHz	-161dBc	500W	1.3	4.3-10 Female
S-3-10F-64F-01-T	3-way	600-6000MHz	-161dBc	500W	1.3	4.3-10 Female
S-4-10F-64F-01-T	4-way	600-6000MHz	-161dBc	500W	1.3	4.3-10 Female

Part Number	Description	Frequency Band	PIM	Power Rating	VSWR	Connector Type
S-2-3F-NF-01	2-way	300-500MHz	-155dBc	300W	1.3	N Female
S-3-3F-NF-01	3-way	300-500MHz	-155dBc	300W	1.3	N Female
S-4-3F-NF-01	4-way	300-500MHz	-155dBc	300W	1.3	N Female

Part Number	Description	Frequency Band	PIM	Power Rating	VSWR	Connector Type
SM-2-3F-NF-B01	2-way with isolation	300-500MHz	-155dBc	50W	1.3	N Female
SM-3-3F-NF-B01	3-way with isolation	300-500MHz	-155dBc	50W	1.3	N Female
SM-4-3F-NF-B01	4-way with isolation	300-500MHz	-155dBc	50W	1.3	N Female

Dummy Loads

In this place, various kinds of dummy loads are listed with power handling up to 200W for representatively comprehensive use. In fact, in order to chase after customers' challenging requirements, the higher power handling up to 300W is also available.

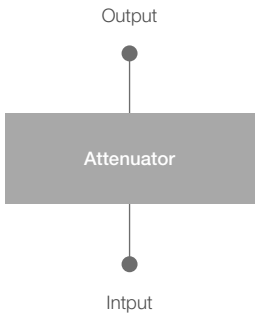


Part Number	Description	Frequency Band	PIM	VSWR	Connector Type
L-2-64M-04	2W	DC-4000MHz	/*	1.25	4.3-10 Male
L-2-NM-01S	2W	DC-4000MHz	/	1.25	N Male
L-2-64M-B02	2W	DC-6000MHz	/	1.25	4.3-10 Male
L-2-NM-B02	2W	DC-6000MHz	/	1.25	N Male
L-5-64M-01S	5W	DC-4000MHz	/	1.25	4.3-10 Male
L-5-NM-01S	5W	DC-4000MHz	/	1.25	N Male
L-5-64M-B02	5W	DC-6000MHz	/	1.25	4.3-10 Male
L-5-NM-B02	5W	DC-6000MHz	/	1.25	N Male
L-50-64F-05-T2	50W	698-4000MHz	-155dBc	1.25	4.3-10 Female
L-100-64F-05-T2	100W	698-4000MHz	-155dBc	1.25	4.3-10 Female
L-200-64F-05-T2	200W	698-4000MHz	-155dBc	1.25	4.3-10 Female
L-50-64F-16-T3	50W	600-6000MHz	-161dBc	1.35	4.3-10 Female
L-100-64F-16-T3	100W	600-6000MHz	-161dBc	1.35	4.3-10 Female
L-200-64F-16-T3	200W	600-6000MHz	-161dBc	1.35	4.3-10 Female

* "/" means there is no PIM influence for the low power dummy loads.

Fixed Attenuators

In this place, various of fixed attenuators are listed with frequency of DC-3GHz & DC-4GHz for representatively comprehensive use. PROSE has attenuators which could achieve up to 18GHz if needed, meanwhile some special connector types such as SMA or some coaxial variable attenuators are also available.



Part Number	Power Handling	Frequency Band	Attenuation	PIM	VSWR	Connector Type
A-XX-2-64-01	2W	698-4000MHz	(XX=1-9,10,20,30,40dB)	/*	1.25	4.3-10 male to female
A-XX-2-N-01	2W	698-4000MHz	(XX=1-9,10,20,30,40dB)	/	1.25	N male to female
A-XX-5-64-01S	5W	698-4000MHz	(XX=1-9,10,20,30,40dB)	/	1.25	4.3-10 male to female
A-XX-5-N-01S	5W	698-4000MHz	(XX=1-9,10,20,30,40dB)	/	1.25	N male to female
A-XX-5-64-11-T2L	5W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	4.3-10 male to female
A-XX-5-N-11-T2L	5W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	N male to female
A-XX-10-64-11-T2L	10W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	4.3-10 male to female
A-XX-10-N-11-T2L	10W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	N male to female
A-XX-25-64-11-T2L	25W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	4.3-10 male to female
A-XX-25-N-11-T2L	25W	698-3800MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	N male to female
A-XX-50-64-05-T2	50W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	4.3-10 male to female
A-XX-50-D-05-T2	50W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	DIN male to female
A-XX-50-N-05-T2	50W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	N male to female
A-XX-100-64-05-T2	100W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	4.3-10 male to female
A-XX-100-D-05-T2	100W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	DIN male to female
A-XX-100-N-05-T2	100W	698-4000MHz	(XX=5,6,7,8,10,13,20,30,40dB)	-155dBc	1.3	N male to female

* "/" means the items are mainly used for low-power and non-PIM rated applications.

IBS Antennas

For the in-building network system, IBS antennas are the devices that ensure the signal coverage, whose performance plays a very important role in whole system. PROSE constantly drives the innovation to make better IBS antenna products for more comprehensive use.



Omni SISO



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Metal Ground Plane	Connector Type
S-Wave 0640-OD-6-64K-O7	SISO	698-4000MHz	2.2 for Low-Band 6.0 for High-Band	1.8	-153dBc	Ø220×18	0.6	No	4.3-10 Female
S-Wave 0640-OD-6-O7	SISO	698-4000MHz	2.2 for Low-Band 6.0 for High-Band	1.8	-153dBc	Ø220×18	0.6	No	N Female
S-Wave 0660-OD-5-64K-O1	SISO	698-6000MHz	2.0 for Low-Band 4.5 for High-Band	1.8	-153dBc	Ø203×115	0.5	No	4.3-10 Female
S-Wave 0660-OD-5-O1	SISO	698-6000MHz	2.0 for Low-Band 4.5 for High-Band	1.8	-153dBc	Ø203×115	0.5	No	N Female
S-Wave 0360-OD-5-B01	SISO	340-6000MHz	3.0 for Low-Band 5.0 for High-Band	2.5 for Low-Band 1.8 for High-Band	-150dBc	Ø290×10	0.5	No	N Female
S-Wave 0305-OD-2-NF-A21	SISO	380-450MHz	2.0 for full band	2.0	-153dBc	Ø298×150	0.9	No	N Female

Omni MIMO



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Metal Ground Plane	Connector Type
S-Wave 0640/0640-OD-6-64K-O7	2×2 MIMO	698-4000MHz	"1.5 for Low-Band 6.0 for High-Band"	1.8	-153dBc	Ø266×18	0.6	No	4.3-10 Female
S-Wave 0640/0640-OD-6-O7	2×2 MIMO	698-4000MHz	"1.5 for Low-Band 6.0 for High-Band"	1.8	-153dBc	Ø266×18	0.6	No	N Female
S-Wave 0660/0660-OD-6-64K-O5	2×2 MIMO	617-6000MHz	"1.5 for Low-Band 6.0 for High-Band"	1.8	-153dBc	Ø266×18	0.6	No	4.3-10 Female
S-Wave Q0640-OD-6-64K-O2	4×4 MIMO	698-4000MHz	"3.0 for Low-Band 4.5 for High-Band"	1.8	-153dBc	Ø360×24	0.9	No	4.3-10 Female
S-Wave Q0640-OD-6-O2	4×4 MIMO	698-4000MHz	"3.0 for Low-Band 4.5 for High-Band"	1.8	-153dBc	Ø360×24	0.9	No	N Female

Panel SISO



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Metal Ground Plane	Connector Type
S-Wave 0640-65-9-64K-O7	SISO	698-4000MHz	4.5 for Low-Band 8.5 for High-Band	2.0	-153dBc	180x170x60	0.5	Yes	4.3-10 Female
S-Wave 0640-65-9-O7	SISO	698-4000MHz	4.5 for Low-Band 8.5 for High-Band	2.0	-153dBc	180x170x60	0.5	Yes	N Female
S-Wave 0660-65-6-64K-B1C	SISO	617-6000MHz	5.5 for Low-Band 6.0 for High-Band	2.0	-153dBc	420x180x62	1.3	Yes	4.3-10 Female
S-Wave 0660-65-7D-B1	SISO	790-6000MHz	6.0 for Low-Band 6.0 for High-Band	2.0	-150dBc	420x180x85	1.3	Yes	N Female
S-Wave 0360-65-6-B01	SISO	340-6000MHz	2.0 for Low-Band 6.0 for High-Band	3.0 for Low-Band 2.0 for High-Band	-150dBc	308x190x65	0.8	Yes	N Female
S-Wave 0305-65-3D-NF-A01	SISO	380-500MHz	3.0 for full band	2.5	-153dBc	308x190x65	0.8	Yes	N Female

Panel MIMO



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Metal Ground Plane	Connector Type
S-Wave 0640/0640-65-9D-64K-O7	2×2 MIMO	698-4000MHz	5.0 for Low-Band 7.5 for High-Band	2.0	-153dBc	400x180x62	1.3	Yes	4.3-10 Female
S-Wave 0640_0640-65-9D-O7	2×2 MIMO	698-4000MHz	5.0 for Low-Band 7.5 for High-Band	2.0	-153dBc	400x180x62	1.3	Yes	N Female
S-Wave 0660/0660-65-7D-64K-B2	2×2 MIMO	617-6000MHz	6.0 for Low-Band 6.5 for High-Band	2.0	-150dBc	308x420x100	1.6	Yes	4.3-10 Female
S-Wave Q0640-65-9D-64K-B1	4×4 MIMO	698-4000MHz	6.5 for Low-Band 8.5 for High-Band	1.8	-153dBc	380x420x82	2.0	Yes	4.3-10 Female
S-Wave Q0640-65-9D-B1	4×4 MIMO	698-4000MHz	6.0 for Low-Band 8.5 for High-Band	1.8	-153dBc	308x420x82	1.8	Yes	N Female

Bi-Directional



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Connector Type
S-Wave 8FW-BD-5	SISO	698-2700MHz	3.5 for Low-Band 4.5 for High-Band	2.0	-150dBc	195x125x260	1.3	N Female
S-Wave 8FW-BD-6	SISO	698-2700MHz	4.0 for Low-Band 5.0 for High-Band	2.0	-150dBc	400x180x80	0.9	N Female
S-Wave 8FW-BD-5-64K	SISO	698-2700MHz	3.5 for Low-Band 4.5 for High-Band	2.0	-150dBc	195x125x260	1.3	4.3-10 Female
S-Wave 8FW-BD-6-64K	SISO	698-2700MHz	4.0 for Low-Band 5.0 for High-Band	2.0	-150dBc	400x180x80	0.9	4.3-10 Female

Log-Periodic



Part Number	Description	Frequency Band	Gain (dBi)	VSWR	PIM	Dimension (mm)	Weight (kg)	Connector Type
S-Wave 8FW-10/11-LP-B5	SISO	698-2700MHz	9.5 for Low-Band 10.5 for High-Band	1.8	-150dBc	440x210x65	0.7	N Female
S-Wave 8FW-10/11-LP-64K-B5	SISO	698-2700MHz	9.5 for Low-Band 10.5 for High-Band	1.8	-150dBc	440x210x65	0.7	4.3-10 Female
S-Wave 0640FW-10/12-LP	SISO	698-4000MHz	9.5 for Low-Band 10.5 for High-Band	1.8	-153dBc	440x210x65	0.7	N Female
S-Wave 0640FW-10/12-LP-64K	SISO	698-4000MHz	9.5 for Low-Band 10.5 for High-Band	1.8	-153dBc	440x210x65	0.7	4.3-10 Female

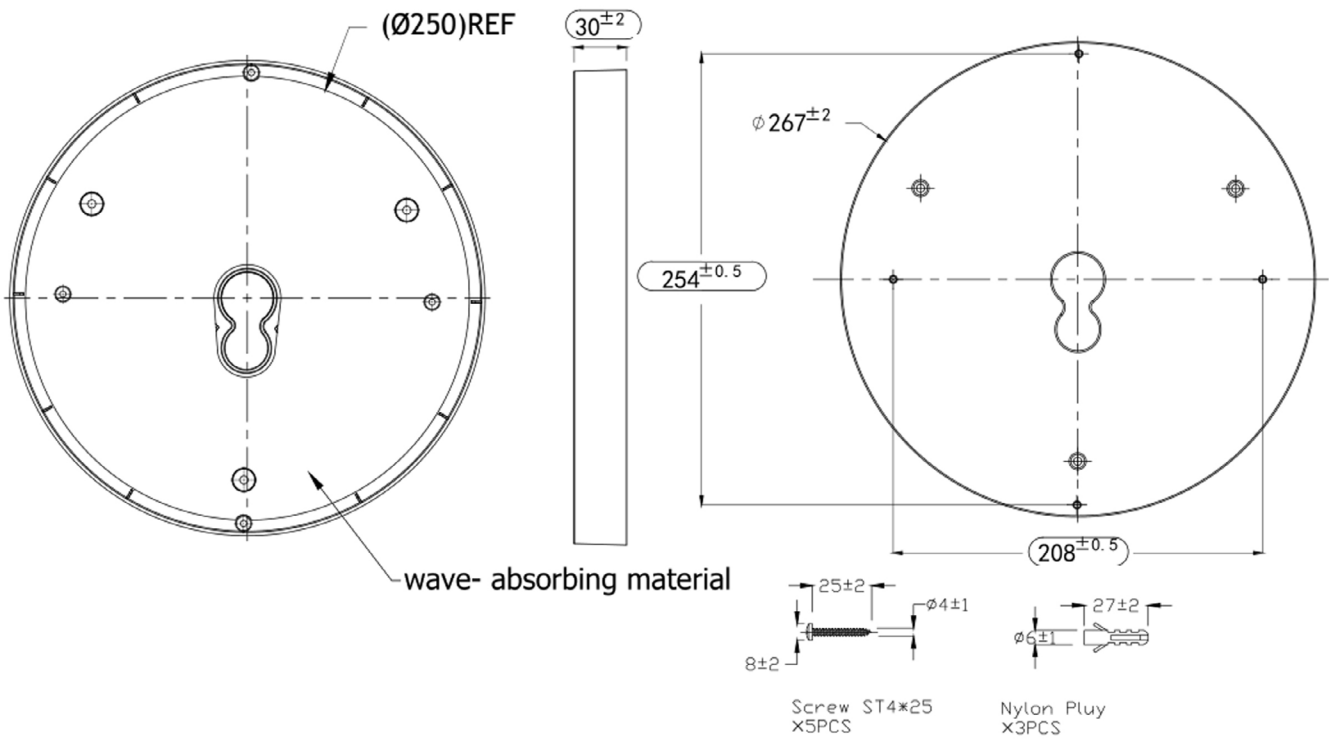
Accessories

Besides the components and antennas, PROSE can provide the accessories for mounting/installation as well, including the antenna absorber and mounting bracket.

Antenna interference absorber

The antenna absorber is to be installed between the slim indoor antenna and the metal ceiling, so as to minimize the negative influences caused by the reflection power by the ceiling. The standard diameter model is for common usage and different diameter models also could be customized on request.

Part Number	S-Wave OD IA267-B01
Size	Ø267×30 (mm)
Weight	0.38kg
Locking Mode	ST4*25 ×5pcs; NYLON PIUY ×3pcs
Color	White
Material	ABS



Mounting brackets

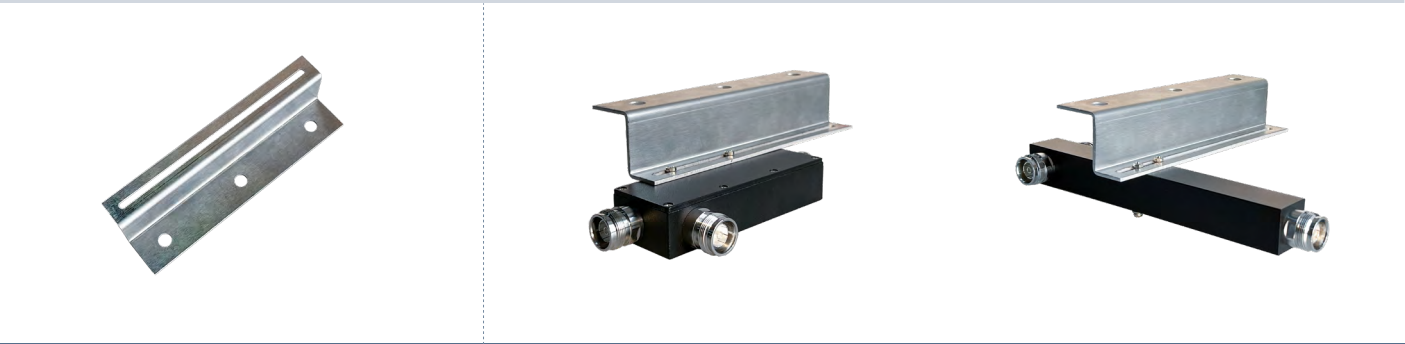
For some certain scenarios, the antenna is difficult to be installed without the hanging ceiling. PROSE has prepared the right-angle brackets to provide the mounting support for the omni antenna. Besides, there is also “Z” type brackets available for the coupler/splitter installation. The various mounting brackets help to install the devices with flexibility.

Part Number	Shape Type	Applicable Products	General Usages
PR-MTK-ME01	“Z” type	Coupler / Splitter	Flexible installation
PR-MTK-ME02	Right-angle type	Ceiling antenna	Flexible installation
PR-MTK-ME03	Right-angle type	Ceiling antenna	Flexible installation

Right Angle Type



Z Type



POI

POI (Point of Interface) is a kind of passive system that combines multi-band and multi-operator. Compared to the distributed components, POI works with less interference and long-term reliability. PROSE has more than 15 years of experience for the POI developments and productions, offering cost competitive products with short lead time and stable quality.

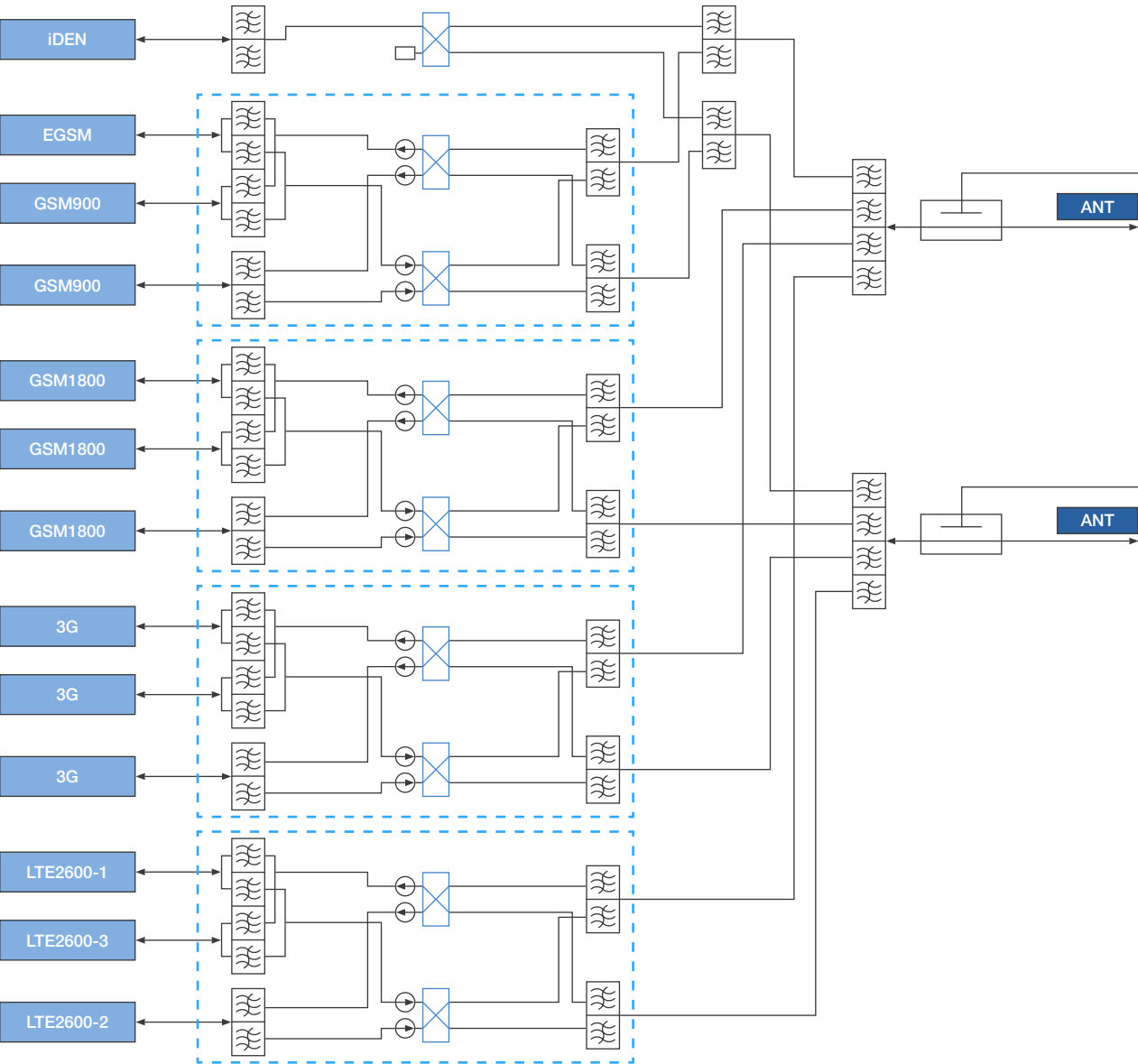
19" Cabinet POI

The 19" cabinet POI is designed flexibly and cost optimized. PROSE with its efficient R&D platform develops the POI as per customer request, including a variety of frequency bands and operator input ports. The advantages are fast technical evaluation, standard production, and fast delivery.



Modular POI

PROSE placed great emphasis on maximum modularity when developing the POI. The individual unit for each frequency band is plug-and-play module. The modular design aims for easy maintenance and low-cost upgrading. By such advanced design, the POI could be upgraded flexibly for any frequency refarming. The PROSE modular POI could be customized for different operators and frequency bands with low MOQ requirement.



PROSE Service

PROSE offers professional services that improve network design, reliability, scalability and efficiency.

Our service core competences include:

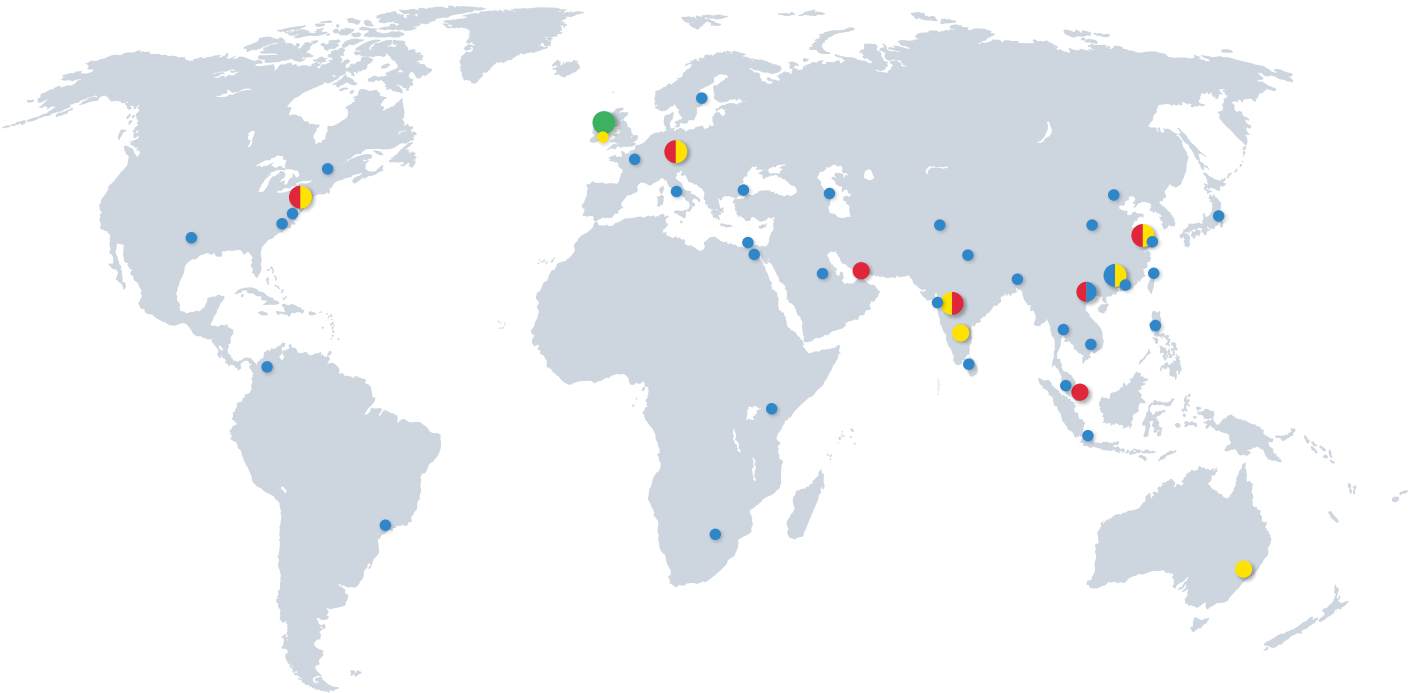
- Network optimization
- Technical consultation
- Customized product design
- Installation & commissioning
- Onsite training & supervision
- System troubleshooting
- After-sales services

In addition, we also offer professional training, technical support and workshops for distributors and agents. We are committed to offering exceptional services for our customers.

PROSE is much more than just a supplier – PROSE is a valued development partner and we will strive to meet new challenges in order to scale to new heights.



GLOBAL FOOTPRINT



- HQ
- PRODUCTION / OPERATIONAL HUB
- R&D CENTER
- SUBSIDIARIES / SALES REPRESENTATIVES



For more information refer to our website:
www.ProseTechnologies.com

PROSE