

TELECOM

Brochure



SIMPLIFICATION IS OUR INNOVATION

Radiall 



Radiall is a global supplier of robust, cutting-edge and reliable interconnect solutions for the Telecom industry. We offer a wide range of high quality products that feature excellent electrical and mechanical performance to enable high speed communication. Our global presence allows us to meet customers' needs and partner with some of the world's largest Telecom companies to make the future of communication possible.

ROBUST CAPABILITY

5G RADIO INBOX INTERCONNECTIONS

- ML2P
 - Dedicated applications: RRU, FDD
 - High power
 - Low PIM
- PIM-MAX
 - Dedicated applications: FDD
 - Best in class in dynamic PIM: PIM 3 @ 2x20 W: -165 dBc
 - Three-piece blind mate connector
- POWER-MAX
 - Dedicated applications: RRU multi-bands
 - High-power connector for board-to-board applications
 - Durability
- SMP-MAX
 - Dedicated applications: Massive MIMO
 - Large misalignment tolerances: axial misalignment of 2.0 mm
 - Snap-on cable connectors available
- IMP-MAX
 - Dedicated applications: PCB antennas
 - Size reduction
 - Designed to optimise PCB designs and board-to-board connections



5G RADIO INTERFACES

- RXF
 - Dedicated applications: Installation, Junction Box
 - Secure and sealed connection
 - Outdoor optical connections
- R2CT
 - Dedicated applications: FTTA, RRU/RRH
 - The most flexible solution; waterproof and sealed connection
 - Cost effective
- OCTIS
 - Dedicated applications: Outdoor Small Cell, RRU/RRH for broadband Ethernet and outdoor microwave network
 - I/O solution for outdoor and harsh environments
 - Several configurations possible
- OPUS
 - Wireless applications
 - Size reduction: compact, flexible and modular
 - High level of corrosion resistance



POINT TO POINT

- Outdoor Fiber Optic Cable Assemblies
 - High performances
 - Robust connection to withstand severe external conditions
- SMP-COM
 - Dedicated applications: Millimeter Wave antennas
 - Cost-effective solution fully compatible with SMP
 - Operating in the range of DC-40 GHz
- V-BAND
 - Dedicated applications: Small Cells, Backhaul, Fronthaul and WiGig radio systems
 - Small form factor
 - 32 dBi bore sight gain from 57 to 66 GHz





5G ANTENNA

- M-LOC™
 - Dedicated applications: Multiband antennas, Outdoor multi-port jumpers
 - Multi-coaxial connector: higher density integration and shorter installation time
 - Lightweight
 - Low PIM
- MQ
 - Dedicated applications: Multi-band TDD/FDD antenna, RRU, outdoor multi ports jumpers
 - 4 and 5-port cluster connector design - save panel size and space
 - Screw-on and quick-lock structure can meet IP67 with wrench
 - Stable PIM performance: 155 dBc
 - Supports up to 1/3" superflex cable
 - Easy to use and saving installation time
- NEX10™
 - Dedicated applications: Small Cell and MIMO, DAS/In-building, antennas, radios and filter output
 - Low PIM
 - Size reduction
 - Several configurations available
- 4.3-10
 - Dedicated applications: Base stations, RRU/RRH, antennas
 - Size and weight reduction
 - Low PIM
 - High level of corrosion resistance
- 7/16
 - Dedicated applications: Cellular network antenna systems, jumper
 - High power
 - Low PIM



GROUND STATION FOR SATCOM

- SMPM
 - Dedicated applications: Board-to-board
 - Ultra-miniature connector - 30% smaller than SMP
 - Operating in the range DC-65 GHz
- SMPW
 - Dedicated applications: Board-to-board
 - Operating in the range DC-100 GHz
 - Low VSWR: 1.02 @ 67 GHz
- IMP
 - Dedicated applications: Board-to-board
 - Solderless board-to-board solution
 - Size reduction: minimum size of 1.41 mm
- SHF Cable Assemblies
 - Lowest insertion loss currently available
 - Flexible cables



EQUIPMENT TESTING

- TestPro Cable Assemblies
 - Dedicated applications: RF measurement
 - TP4.2S, TP4.2, TP3LP, TP3 TP2
 - Phase and loss stable with flexure
 - Long service life
- Coaxial Switches
 - Dedicated applications: RF Measurement
 - Series SPDT, DP3T, DPDT, SPnT
 - Insertion loss repeatability guaranteed 0.03 dB
 - Life span over 10 million cycles
- RF Microwave Components
 - Dedicated application: RF measurement
 - Frequency up to 67 GHz
 - Power range from 0.5 W to 1,000 W
- RF Connectors & Adapters
 - Dedicated application: RF measurement
 - Frequency up to 67 GHz
 - Power: 0 to 1,000 W
 - Impedance: 50 Ohms



SIMPLIFICATION is our INNOVATION

We advance the design and engineering process for innovators, groundbreakers and pioneers of technology. We reduce weight, improve durability and streamline installation to provide leading-edge connectors that drive product performance.

AREA OFFICES LOCAL CONTACTS

EUROPE	ADDRESS	PHONE	FAX	EMAIL
FINLAND	Radiall Finland PO Box 202, 90101, Oulu	+358407522412		infofi@radiall.com
FRANCE	Radiall SA 25 Rue Madeleine Vionnet, 93300, Aubervilliers	+33149353535		info@radiall.com
GERMANY	Radiall GmbH Carl-Zeiss-Straße 10, 63322, Rödermark	+49607491070	+496074910710	info@radiall.com
ITALY	Radiall Elettronica S.R.L. Via Zambelletti 19, 20021, Baranzate Milano	+39024885121	+390248843018	infoit@radiall.com
NETHERLANDS	Radiall Nederland BV Hogebrinkerweg 15b, 3871, KM Hoevelaken	+31332534009	+31332534512	info@radiall.com
SWEDEN	Radiall AB Sollentunavägen 63, 191 40 Sollentuna	+4684443410		infose@radiall.com
UNITED KINGDOM	Radiall Ltd. Profile West, 950 Great West Rd., Brentford, Middlesex TW8 9ES	+441895425000	+441895425010	info@radiall.com

ASIA

CHINA	Shanghai Radiall Electronics Co., Ltd. No.688 Hui Fang Road, Shanghai, China, 201806	+862166523788	+862166521177	info@radiall.com
HONG KONG	Radiall Electronics (Asia) Ltd. Room A, 16/F., Ford Glory Plaza, 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong	+85229593833	+85229592636	infohk@radiall.com
INDIA	Radiall India Pvt. Ltd. 25D, Phase 2, Peenya Industrial Area, Bengaluru 560 058	+918028395271	+918028397228	infoin@radiall.com
JAPAN	Nihon Radiall K.K. Sawada Building 8F, Shibuya-ku, Tokyo 150-0011	+81364274455	+81364274456	infojp@radiall.com

AMERICAS

USA & CANADA	Radiall USA, Inc. 8950 South 52nd Street, Ste. 401 Tempe, AZ 85284	+14806829400	+14806829403	info@radiall.com
-------------------------	--	--------------	--------------	------------------

GLOBAL PRESENCE

Australia · Austria · Belgium · Brazil · Czech Republic · Denmark · Estonia · Greece · Hungary · Indonesia · Israel · Korea · Latvia · Lithuania
Malaysia · Norway · Philippines · Poland · Portugal · Singapore · South Africa · Spain · Switzerland · Taiwan · Thailand · Turkey · Vietnam