

RADITEK Telecom

Raditek, a California USA company, founded in 1993, has a whole family of telecommunications products to support almost every kind of communication, data sheets and more details are available at www.raditek.com:

[1. Satcom.](#) We manufacture and supply the most advanced modems, to support internet and E1 Backhaul, Scada and STAR and MESH networks, for example. RADITEK can supply up to 400W 1+1 SSPA C band (inside), and Ku Band (outside) with L band or 70/140 MHz IF, BUCs (Block Upconverters) and Transceivers, LNAs and LNBs (1+1) for example in the corresponding bands.

[2. IOTM \(Internet on the Move\) and other antennas.](#) We have one of the most advanced low form factor/phased array IOTM solutions for Ku and soon Ka band. Our IP/DAMA modem is ideal for this too, as it will remain locked when TDMA based modems are continually losing lock. The unit is suitable for any vehicle boat and train.

[3. Point to Point.](#) We have a whole family of products with carrier class, licensed band radios to 38GHz (XPIC available) for IP and/or 1 x E1 (PDHC) to many E1 and 2 x STM-1 (SDHC). The RADLINK products cover 400MHz to 6GHz and can be point to point or point to multipoint (BTS and many CPEs).

[4. RF to Fiber products.](#) We have a new RRF2F family, , which includes a broad band 2-16GHz with Tx and Rx plus models to cover the various cellular and RF bands.

[5. TWTAs\(Travelling Wave Tube amplifiers.](#) Broadband, to octave bandwidth, within 1- 40GHz to several KWs, CW and Pulse.

[6. SCPC/DAMA MODEM.](#) for full switched Internet networking. Supports UPC (Uplink power Control) to 8PSK, TPC, with 16QAM and LDPC coming soon. With optional NMS control, allows full DAMA (Demand Assigned Multiple Access), ABOD (Automatic Bandwidth On Demand), and multiple, single hop MESH and/or STAR networks. Low cost, easily upgradable hub, with no obsolescence. The RISN-1000-BRT modem, for example is also a full internet router, and can address up to 16 x private IP addresses/LANs at once, across the satellite.,

[7. FULL SCPC MODEM.](#) with extensive internal analysis capability with E1/T1 and IP. Can support to over 30Mbps, 4 x E1, Internet 16QAM, carrier in carrier, and LDPC or TPC etc. Internal analysis tools perform real time BER tests, interference analysis and drop and insert (E(0)s in an E1.

[8. The most complete line of Isolators and Circulators,](#) including: microstrip to >90GHz, waveguide to >120GHz and stripline for BTS applications, and multi KW circulators etc. Coaxial from 26MHz to 50GHz mille watts to megawatts, including our Cryogenic Circulators. Available 4-77°K with the ultra low 20°mK - 4°K series. Operating at -272.98oC, just 0.02 C above "Absolute Zero" these units are used in many Radio Telescopes

[9. Phase locked Sources \(PLO\)and Synthesizers.](#) DRO, CRO based, low phase noise, fixed frequency covering 1-45GHz and low phase noise synthesizers (YIG based to 1 ms switching and high speed switching). Example 2-6GHz, 6-18GHz etc.