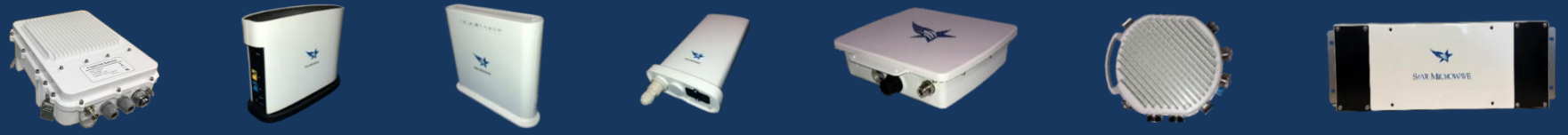
STAR MICROWAVE

Star Microwave's New Product Solutions



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Extending the life of your network...

SM SYGNUS DENEB 2.X - 5.X GHz OFDM MIMO License-Exempt	SM SYGNUS SHC MIMO 4.9 – 5.X, 7, 10.5 GHz OFDM MIMO 1x2x4x-T1s + Ethernet License-Exempt	SM SYGNUS SHC SISO 4.9 – 5.X, 7, 10.5 GHz GHz OFDM MIMO 1x2x4x-T1s + Ethernet License-Exempt
Designed for carriers and ISPs to address the last-mile infrastructure with high performance at a competitive cost. Supports VOIP applications more efficiently through the use of (Small Packet Optimization) SPO and provides higher throughput up to 50 Mbps in a 20 MHz channel.	The Sygnus SHC is the most advanced OFDM 2x2 MIMO carrier-class wireless backhaul solution with superior throughput of up to 270 Mbps at an excellent value. Designed for RF interference robustness, the Sygnus SHC eliminates false receptions of background noise through AIS and thereby guarantees stable performance with constant latency throughput.	The Sygnus SHC is the most advanced SISO carrier-class wireless backhaul solution with superior throughput of up to 270 Mbps at an excellent value. Designed for RF interference robustness, the Sygnus SHC eliminates false receptions of background noise through AIS and thereby guarantees stable performance with constant latency throughput.
		

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Extending the life of your network...

SM CIRIUS LM 6 - 38 GHz 150/200 Mbps Ethernet + 16 T1s/E1s Licensed	SM CIRIUS SHC 6 - 38 GHz 1000 Mbps Ethernet + TDM Licensed	SM CIRIUS E-BAND 71-76/81-86 GHz 2.6 Gbps Ethernet
The Cirius LM is a low-cost PTP digital system for T1/E1 payloads plus Ethernet. This radio is available in Non-Protected and Protected modes in 1+1 , configurations. With up to 175/200 Mbps throughput it is optimized for efficient cellular backhaul and private network applications.	The Cirius SHC is our highest capacity split mount Ethernet radio. It is a low-cost PTP FDD system with plug-in optional T1/E1 interfaces. This radio is available in 1+0, 1+1 (HSB, SD, FD), 2+0, 2+0 XPIC, Nodal Support data throughput up to 10-1000 Mbps per radio carrier and TDM Payload. Support modulation up to 2048 QAM.	Ultra-high Capacity, up to 2.6 Gbps RF Bandwidth 250 and 500MHz Supports multiple modulation schemes, including QPSK/16-QAM/32-QAM/64-QAM/128-QAM/256-QAM Hitless ACM (Adaptive Coding and Modulation)
		

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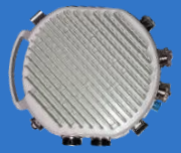
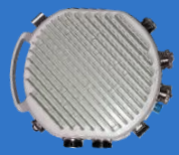
Extending the life of your network...

SM CIRIUS AO 6 - 38 GHz 1000 Mbps Ethernet + TDM Licensed	SM CIRIUS RFU 6 - 11 GHz	SM CIRIUS UHP ODU 6 – 7 - 8 - 11 GHz
The SM Cirius AO (All Outdoor) is targeting the growing demands for data trans-mission over microwave radio, and compliant with IEEE and ITU-T standards. It compose advanced Star Microwave system to provide carrier-grade, powerful and cost-efficient Point-to-Point transmission solution for our customer. Support modulation up to 1048 QAM	This All-Indoor unit is designed for long haul SDH and/or IP / Ethernet, high capacity performance and transport applications at a low cost. With the ability to support various system architectures, the complete system is ideal for backbone routes, trunking, public safety, utilities, private networks, and enterprise.	UHP ODU, 6, 7, 8, 11 GHz, 28 dBm@256QAM, 60 MHz BW, Rectangular WG,
		

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Extending the life of your network...

SM LTE enNodeB Pulic/Private mobile broadband networks Urban/Sub-urban/Rural/Remote area	SM LTE Home Small Cell Smart Integrated MIMO Antenna Support 802.11 b/g/n protocols	SM series Distributed Antenna System 700MHz (lower ABC & upper C), 850MHz, 1900MHz, and AWS band
Star Microwave LTE eNodeB System is composed of BBU, RRU, and PSU providing cellular coverage via IP backhaul. It is designed to deliver ubiquitous wireless capacity over a range of several dense city blocks, while giving operators a flexible network deployment option. The Base Band Unit (BBU) is an high capacity indoor/outdoor unit, provides LTE baseband traffic, signaling, and control signal to RRU by fiber. The Remote Radio Unit (RRU) is an energy efficient system and designed with a robust, convection cooled (fanless) IP65 housing for use in all outdoor environments.	LTE and Wifi Home Small Cell can provide cellular indoor coverage via IP backhaul (Broadband or Ethernet). It is suitable for small hotspot indoor scenarios like Home, enterprise, office, retails, Internet café, solving cellular network issues including weak coverage, low data rate and site acquisition. It increases capacity for data service and offloads macro network by absorbing traffic from indoor hotspots.	The SM series Distributed Antenna System is an RF over fiber solution that enhances a wireless network's coverage by extending cellular services from existing cell sites to an indoor environment. The system consists of the Master Unit (MU) and High power Remote Unit (RU). The MU includes the Chassis, Power Supply Unit (PSU), Fiber Optical Unit (FOU) and RF Unit (RFU). With a modular design, it can support up to 8 independent RF inputs and 8 Remote Units. The Remote Unit is designed with a compact and slim form factor for easy installation; it is an integrated design which supports 4 independent bands: 700MHz (lower ABC & upper C), 850MHz, 1900MHz, and AWS band.
		 

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