

















Star Microwave Solutions
TDM - IP Migration, Audio and Video Surveillance, Microwave Backbone, Fiber Extension, Cellular Backhaul, Broadcast Links, and Last Mile

Product Name	License-Exempt Radios	Frequency Band GHz	PTP/PTMP/Mesh	Max. Net Throughput	Max Tx. Pwr	Radio Type	Ethernet /TDM	Input Power	OFDM	Distance (Typical) w/Antenna Internal / External (1/2m)								
Sygnus FDD		2.3,2.4,4.9,5.3, 5.8	PTP	45/90 Mbps	+17 dBm	Outdoor	Ethernet	24 Vdc / AC /48 Opt	YES	4+	15+							
Sygnus Fractional		2.3, 3.3, 4.9, 5.X	PTP PTMP (5)	18/36 Mbps	+20 dBm	Split	Hybrid E1/T1 (1/2) FRAC	PoE / 48 Vdc	YES	8+	25+							
Sygnus HP Turbo		2.3, 4.9, 5.X	PTP	54/108 Mbps	+18 - 20 dBm	Outdoor	Ethernet	PoE / 24 Vdc / 48 Vdc	YES	6+	10+							
Sygnus Hybrid		4.9, 5.1-5.8	PTP	18/36 Mbps	+20 dBm	Split	Hybrid E1/T1 (1/2/4)	PoE / 48 Vdc	YES	8+	25+							
Sygnus PTP PTMP		0.7, 0.9, 2.8, 3.3, 3.5 & 5.X	PTP PTMP	22/54 Mbps	+18-25 dBm	Outdoor	Ethernet	24 Vdc / AC /48 Opt	YES	6+	30+							
Sygnus 45		4.4-4.7	PTP PTMP	20/40/60 Mbps	+22 dBm	Outdoor	Ethernet	PoE / 24 Vdc / 48 Vdc	YES	8+	28+							
Sygnus SHC		2.3-2.7, 4.9, 5.1-6.0, 6.0-7.0	PTP PTMP	135/270 Mbps (250 spc) 2/4 Antennas	+26 dBm	Outdoor	Ethernet	PoE / 48 Vdc	MIMO	6+	50+							
Product Name	Licensed Radios	Frequency Band GHz	PTP/PTMP	Max. Net Throughput	Max Tx. Pwr	Radio Type	Ethernet /TDM	Input Power Vdc	Adaptive Mod.	ATPC	MHSB Option	2+0 Option	Space Diversity	Frequency Diversity	XPIC	Typical Distance kM		
Cirius* HM		6-38	PTP	311 Mbps	+30 dBm	Split	Hybrid 63 T/E1 Max OC3/STM-1	-48	YES	YES	YES	YES	YES	YES	Yes	1 to 60		
Cirius* LM		6-38	PTP	170 Mbps	+30 dBm	Split	Hybrid 16T1/E1 Max	±24/48	NA	NA	YES	YES	YES	YES	No	1 to 60		
Cirius* In/Out		7-23	PTP	4-34 Mbps	+25-27 dBm	Split	4/8 or Hybrid 16 T1/E1	±24/48	NO	YES	YES	NO	YES	YES	No	1 to 60		
Cirius AO		6-38	PTP	364 Mbps	+30 dBm	Outdoor	Ethernet	PoE / ± 48	YES	YES	YES	YES	NO	YES	No	1 to 60		
Cirius Out		7-23	PTP	4-34 Mbps	+23-27 dBm	Outdoor	4/8 T/E1 or ETH 8 Mbps	-48	NO	YES	NO	NO	NO	No	No	1 to 60		
Cirius UHF		.4/.9	PTP/PTMP	26 Mbps	+33 dBm	Outdoor or Indoor	Ethernet	PoE / ±24	NA	NA	NA	NA	NA	NA	No	1 to 23		
* RFU		High Power 6-11 GHz, Indoor Only Unit (Available for Cirius LM, HM, and In/Out models)																