



Cellular Modem Cross Reference



**YOUR INTRODUCTION TO PULSELARSEN
CELLULAR MODEM CROSS REFERENCE ANTENNAS.**

🌐 Want to learn more? Visit our website at pulselarsenantennas.com.



Panther (PANxxx, GPSMBxx)



Armadillo (ARMxxx)



Fin (GPSDMxx)



Disc (W4165xx)



Jaguar (JAGxx, GPSLPMBxx)

Pulse Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)

MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*			
						CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE
SIERRA WIRELESS	AIRLINK GATEWAY	Mobile gateway	GX450	4G (2); GPS (1); WiFi (Opt)	3 SMA (Primary; secondary/Diversity; GPS), Optional 1 SMA (WiFi @front)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi, Best: W1043, Wifi, IP65: W5028x, WiFi, IP67: W5098, GPS: GPSGMSMA	RAZ32011DM, WiFi: RAZ42111DM	ARM32011DM, WiFi: ARM42111DM	JAG32011DM, WiFi: GPSLPMB401	GPSMB301, WiFi: GPSMB501
			GX400	3G (2); GPS (1); WiFi (Opt,)							
		Enterprise gateway	ES450	4G (2)	2 SMA (Primary; secondary/diversity)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	RAZ22001DM	ARM22001DM	W1919	GPSMB301	
		Compact, industrial gateway	LS300	3G (2) or 3G (1); GPS (1)	2 SMA (Primary; GPS/Diversity)	Great: SPDA24700/2700, Best: W5095K	Glass: GPSGMSMA, Direct: GPSDM08, Magnetic: GPS0010, NMO: GPSNMO10	2x3G: RAZ22001DM, 3G, GPS: RAZ21011DM	2x3G: ARM22001DM, 3G, GPS: ARM21011DM	2x3G: W1919, 3G, GPS: JAG21011DM	GPSMB301
		4G Industrial gateway	Raven RV50	4G (2); GPS (1)	3 SMA (Primary; Diversity; GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700		RAZ32011DM	ARM32011DM	JAG32011DM	GPSMB301
		3G Industrial gateway	Raven XE	3G (2)	2 SMA (cellular; receive diversity)	SPDA24700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
		Industrial gateway (M2M)	Raven XT	2G/3G (Quad-band)	1 SMA (cellular)	SPDA24700/2700	-	Great: SLPT698/2100D-MN, Best: LPT698/2700DMN	-	JAG11001DM	-
	VEHICLE NETWORKING/ INMOTION SOLUTIONS	High performance vehicle router	MP70	WiFi (3); LTE (2); GNSS (1)	3 RP-SMA (WiFi); 2 SMA (Cellular, diversity, GPS)	-	-	RAZ62311DM	ARM62311DM	JAG62311DM	Two sets of GPSMB501
		High performance dual LTE vehicle networking platform	MG90	1st LTE (2), 2nd LTE (2), 1st WiFi (3), 2nd WiFi (3), GNSS (1), BT (1)	4 SMA (cellular), 6 RP-SMA (WiFi), 1 SMA (GNSS), 1 RP-SMA(BT)	-	-	Two sets of RAZ62311DM, BlueTooth: SB24003	Two sets of ARM62311DM, BlueTooth: SB24003	Two sets of JAG62311DM, BlueTooth: SB24003	Three sets of GPSMB501, BlueTooth: SB24003
		oMG mobile gateway	Sierra Wireless announced "End of Sale Notification" for oMG2000 and oMG500 on Feb. 27, 2017. MG90 is recommended.			VAN: SMA (1), RP-SMA (up to 10), WAN: LTE	-	-	RAZ41301DM	ARM41301DM	JAG41301DM



Pulse Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)

						FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*			
MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE
CALAMP	Commercial Gateway	Enterprise fixed	CDM-5030	3G/4G	2 SMA (Main; Diversity)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Industrial Routers	Mission critical multinetwork	Fusion	4G/3G (4), GPS (1), WiFi (3)	3 RP-SMA (WiFi), 2 SMA (WWAN0), 2 SMA (WWAN1), 1 SMA (GPS)	-	-	A set of 1 RAZ62311DM and 1 RAZ22001DM	A set of 1 ARM62311DM and 1 ARM22001DM	A set of 1 JAG62311DM and 1 W1919	Two sets of GPSMB501 and 1 PAN22001DM
		Multi carrier 3G	Vanguard 3000	3G (2), GPS (Opt.), WiFi (Opt.)	2 SMA (Main; Diversity) 1 SMA (GPS, Opt.) 1 RP-SMA (WiFi, Opt.)	-	-	RAZ22001DM, GPS,WiFi: RAZ42111DM	ARM22001DM, GPS,WiFi: ARM42111DM	W1919, GPS,WiFi: GPSPMB401	GPSMB301, GPS,WiFi: GPSMB501
		Broadband 4G LTE	Vanguard 5530	4G (2), GPS (Opt.), WiFi (Opt.)	2 SMA (Main; Diversity) 1 SMA (GPS, Opt.) 1 RP-SMA (WiFi, Opt.)	-	-	RAZ22001DM, GPS,WiFi: RAZ42111DM	ARM22001DM, GPS,WiFi: ARM42111DM	W1919, GPS,WiFi: GPSPMB401	GPSMB301, GPS,WiFi: GPSMB501
	Commerical Routers	3G/4G Broadband	LMU-5530	3G/4G (2), GPS (1) , WiFi (1)	2 SMA (Main; Diversity) 1 SMA (GPS), 1 RP-SMA (WiFi)	-	-	RAZ42111DM	ARM42111DM	GPSPMB401	GPSMB501
CRADLE POINT	IOT/M2M & Transportation Solution	Affordable M2M	COR IBR350	4G/LTE	2 SMA (Main; Aux)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
		The heart of M2M network	COR IBR600	4G/LTE (2), 2.4G WiFi (2), GPS (1)	2 SMA (Main, Aux), 2 RP-SMA (WiFi), 1 SMA (GPS)		2.4GHz, Short: W1030, 2.4GHz, Best: W1038, GPS: GPSPMSMA	RAZ52211DM	ARM52211DM	JAG52211DM	GPSMB501
		In-Vehicle & M2M/ lo+D4T	COR IBR900	4G/LTE (2), 2.4/5 GHz WiFi (2), GPS (1)	2 SMA (Main, Aux), 2 RP-SMA (dual WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPMSMA, GPSPM08, GPS0010	RAZ52211DM	ARM52211DM	JAG52211DM	GPSMB501
		Cloud-manged networking for vehicle	COR IBR1100	4G/LTE (2), 2.4/5 GHz WiFi (2), GPS (1)	2 SMA (Main, Aux), 2 RP-SMA (dual WiFi), 1 SMA (GPS)		RAZ52211DM	ARM52211DM	JAG52211DM	GPSMB501	
MULTITECH	MultiConnect® conduit	Programmable gateway for the internet of things	MTCDDT-Lxxx	LTE: 800(B20)/850(B5)/2100(B1), HSPA+ 1800/1900/2100	2 SMA (cellular)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Cellular modems	Fast, secure data for remote operations	MultiConnect® cell 100 series	3G/2G	2 SMA (cellular)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Cellular routers	Remote device management optimized for M2M communications	MultiConnect® rcell 100 series	3G (1) and optional WiFi/BT (1) and GPS (1)	1 SMA (cellular) 1 SMA (GPS, Opt.) 1 RP-SMA (WiFi, Opt.)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPMSMA, GPSPM08, GPS0010	RAZ31111DM	ARM31111DM	JAG31111DM	GPSMB501
	LTE ceullular routers	LTE cellular router with WiFi for Europe	MultiConnect® rcell 500 series	4G/3G/2G (2) and 802.11b/g/n (2)	2 SMA (cellular) 2 RP-SMA (WiFi)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Best: W1043, IP65: W5028x, IP67: W5098	RAZ42201DM	ARM42201DM	LPMB401	GPSMB501



Pulse Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)

MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*			
						CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE
REDLION	Industrial WiFi radio	WiFi radios	NTRON 702-W (IP30)	802.11a/b/g/n	3 antennas 2.4 GHz & 5 GHz (needs RPSMA male)	-	Best: W1043, IP65: W5028x, IP67: W5098	-	-	-	-
			NTRON 702M12-W (IP67)			-		-	-	-	
	RAM 6900 industrial cellular RTU	Industrial cellular RTU	RAM6900/ RAM6901/ RAM6921/ RAM6901EB	4G with fall back to 3G + GPS	2 antennas (needs SMA male)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Glass: GPSGMSMA, Direct: GPSDM08, Magnetic: GPS0010, NMO: GPSNMO10	RAZ32011DM	ARM32011DM	JAG32011DM	GPSMB301
	RAM 6600 industrial cellular RTU	Industrial Cellular RTU	RAM6600/ RAM6601/ RAM6621/ RAM6601EB	3G CDMA (for Spring/VZ only 900/1900 MHz) - for other operators	2 antennas (needs SMA male)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	RAM 6800 industrial cellular RTU	Industrial Cellular RTU	RAM6800/ RAM6801/ RAM6821/ RAM6801EB	3G GSM	2 antennas (needs SMA male)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	RAM 9000 industrial cellular RTU	2 port cellular and WiFi	RAM99xx	4G (2) + WiFi (1) + GPS (1)	1 SMA male (GPS) 2 SMA male (4G) 1 RP-SMA male (WiFi)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSGMSMA, GPSDM08, GPS0010	RAZ42111DM	ARM42111DM	GPSLPMB401	GPSMB501
	IndustrialPro SN 6000 cellular routers	Rugged industrial router	SN6900/SN6901/ SN6921/SN6901EB/ SN6700/SN6701/ SN6701EB/SN6721	4G	2 SMA male	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	IndustrialPro SN 6000 cellular routers	Rugged industrial router	SN6600/SN6601/ SN6621/SN6601EB	3G CDMA	2 SMA male - 850/900/1800/1900/ 2100 MHz	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
IndustrialPro SN 6000 cellular routers	Rugged industrial router	SN6800/SN6801/ SN6821/SN6801EB	3G GSM	2 SMA male - 850/900/1800/1900/ 2100 MHz	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301	
CLOUDGATE	Cellular gateway	Based on OPTION radio GTM689W	3G America, 3G EMEA, 3G JP/APAC	3G main + diversity (2) or 3G main + GPS (2) + 802.11 a/b/g/n (Opt.)	1 SMA (cellular) 1 SMA (cellular or GPS) 1 RP-SMA (WiFi, Opt.)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSGMSMA, GPSDM08, GPS0010	RAZ32011DM WiFi: RAZ42111DM	ARM32011DM WiFi: ARM42111DM	JAG32011DM WiFi: GPSLPMB401	GPSMB301 WiFi: GPSMB501
	Cellular gateway	Based on TELIT LN930	LTE WW	4G with 2G/3G as 3G/4G main + diversity (2) or 3G/4G main + GPS (2) + 802.11 a/b/g/n (Opt.)	1 SMA (cellular) 1 SMA (cellular or GPS) 1 RP-SMA (WiFi, Opt.)						

Pulse Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)						FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*			
MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE
TELEDESIGN SYSTEMS	Industrial modem	High performanc radio modem	TS4000	VHF: TS4000-05C UHF: TS4000-05E, TS4000-05F, TS4000-02A TS4000-05B 900MHz: TS4000-05D	1 connector, options: BNC (standard) TNC (watertight) N (optional) SMA (optional)	VHF: NMOWB150B, NMOWBQB UHF: LM406C, OM406BCO, SB450, NMOWB450C, LP490NMO 900MHz: LM900, LP800,MS3E900, NMO55E900B, MM5T900SMA, OM900, LPT800/900NMO, NMOQW900					
	4G cellular LTE router	Critical infrastructure and industrial	Digi Transport WR31	4G	2 SMA male	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
DIGI SPECTRUM	3G/4G cellular LTE router	Industrial/retail	Digi Transport WR11	3G/4G Cellular LTE router	2 SMA male	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Cellular router	Low cost flexible compact 3G/4G for M2M	Digi Transport WR21	4G with fallback to 3G or 2G as needed	2 SMA male	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Ethernet gateway	Industrial-grade programmable XBee® to IP gateways	Connect Port X2	802.15.4: XBee® 2.4 GHz or 868 MHz or 915 MHz	1 RP-SMA male	-	Great: W1030, W5001, W5021 Best: W1027, W1063	-	-	-	-
	Enterprise class cellular router for remote and mobile applications	3G/4G LTE and WiFi	Digi Transport WR41	4G with fallback to 3G or 2G as needed (2), WiFi (2), GPS (Opt.)	2 SMA (cellular) 2 RP-SMA (WiFi) 1 SMA (GPS, Opt.)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSGMSMA, GPSDM08, GPS0010	RAZ42201DM GPS: RAZ52211DM	ARM42201DM GPS: ARM52211DM	LPMB401 GPS: JAG52211DM	GPSMB501
	Enterpirse class, commercial grade WiFi to ceullular router		Digi Transport WR44	4G with fallback to 3G or 2G as needed (2), WiFi (2), GPS (Opt.)	2 SMA (cellular) 2 RP-SMA (WiFi) 1 SMA (GPS, Opt.)						
	Small cellular routers with integrated VPN	HSPA+	Digi connect WAN family	HSPA+ (U9) - 850/900/1700(AWS)/1900/2100	2 SMA (cellular)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	RAZ22001DM	ARM22001DM	W1919	GPSMB301
	Gateway for distribution automation	IP66 design for withstanding elements	Digi utility communication hub with 4G LTE	LTE (2) and WiFi (1)	2 SMA (cellular) 1 RP-SMA (WiFi)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Best: W1043, IP65: W5028x, IP67: W5098	RAZ32101DM	ARM32101DM	JAG32101DM	GPSMB501
	ConnectPort X4/X4 H	Commercial/industrial-grade 3G customizable routing gateways	ConnectPort X4/X4 H	2G/3G (1 or 2) + 802.15.4: XBee® 2.4 GHz or 868 MHz or 915 MHz (1)	1 or 2 SMA (cellular) 1 RP-SMA (XBee® 2.4 GHz/868 MHz or 915 MHz	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700 Shorter: W1900	Great: W1030, W5001, W5021 Best: W1027, W1063	-	-	-	-
	WESTERMO	Industrial Routers	Industrial Mobile Broadband Router	MRD455 4G	4G (2) and GPS (1)	Maximum 2 SMA +1 GPS	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Glass: GPSGMSMA, Direct: GPSDM08, Magnetic: GPS0010, NMO: GPSNMO10	RAZ32011DM	ARM32011DM	JAG32011DM
MRD355 3G MRD315 3G router				3G (2) and GPS (1)	Maximum 2 SMA +1 GPS	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700					
MRD3015DIN 3G M2M MR210 2G router MR260 3G router MR270 3G router				Cellular (1) and GPS (1)	Maximum 2 SMA	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700 Shorter: W1900					
GPRS Modem		Heavy duty industrial modem	GDW11 GDW11 485 MRD series	3G	1 SMA	Great: SPDA24700/2700, Best: W5095K, Shorter: W1900	-	-	-	-	-



Need to improve Coverage?
 Replace factory-supplied
 Antenna for Enhanced Reception.



SPDA24700/2700
 Perf: Great
 Width: 24mm



W5095K
 Perf: Better
 Width: 29mm



W5084K
 Perf: Best
 Width: 43mm

Pulse Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)

MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*				
						CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE	
CISCO	Cisco 4G ISR	Reliable and secure solution for M2M applications	C819(H)G-V-K9	LTE Band 13 (700 MHz) for Verizon	2 TNC (female)	Great: W5095 Best: W5084	-	-	-	-	-	
			C819(H)G-A-K9	LTE Band 17 (700 MHz) for AT&T								
		C819(H)G-G-K9	LTE Bands 1,3,7,8,20									
		C88xG-4G-GA-K9	LTE Bands 1,3,7,8,20									
MOXA AMERICAS, INC.	Cellular IP Gateway	Industrial LTE Cellular gateway	OnCell G3470A-LTE Series	4G LTE for AT&T + 3G fallback (2), GPS (1)	2 SMA (cellular), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Glass: GPSGMSMA, Direct: GPSDM08, Magnetic: GPS0010, NMO: GPSNMO10	RAZ32011DM	ARM32011DM	JAG32011DM	GPSMB301	
		Compact quad-band gateway	OnCell G3151	3G GSM/GPRS	1 SMA (cellular)	Great: SPDA24700/2700, Best: W5095K	-	-	-	-	-	
	Single-Radio Wireless AP/Bridge/Client	Industrial 900MHz wireless AP/bridge/client	AWK-3191	900MHz	1 RP-SMA (900MHz)	Great: W1063, Best: W5012	-	-	-	-	-	-
		Industrial Wireless AP/bridge/client	AWK-3131A	802.11a/b/g/n	2 RP-SMA (WiFi)	-	Best: W1043, IP65: W5028x, IP67: W5098	RAZ20201DM	ARM20201DM	JAG20201DM	GPSMB501	
		Entry-level industrial wireless AP/client	AWK-1131A	802.11a/b/g/n	2 RP-SMA (WiFi)	-	Best: W1043, IP65: W5028x, IP67: W5098	RAZ20201DM	ARM20201DM	JAG20201DM	GPSMB501	

Cross Reference Antenna Table for Cellular (+4G) Modems (Gateways, Routers)

						FIXED/INDOOR ANTENNAS		VEHICULAR/WEATHERPROOF ANTENNAS*				
MFG	PRODUCT LINE	CATEGORY	MODEL	APPLICATION	EXTERNAL ANT. CONNECTOR	CELLULAR WWAN	GPS OR WIFI	BEST PERFORMANCE	LOW PROFILE	NO GROUND PLANE	BALANCED PERFORMANCE	
PEP WAVE	MAX Singular Cellular router	4G LTE Router	MAX BR1 Classic	4G LTE with 3G fall-back (2), WiFi (1), GPS (1)	2 SMA (cellular), 1 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	RAZ42111DM	ARM42111DM	GPSLPMB401	GPSMB501	
			MAX BR1 MK2	4G LTE with 3G fall-back (2), WiFi (2), GPS (1)	2 SMA (cellular), 2 RP-SMA (WiFi), 1 SMA (GPS)			RAZ52211DM	ARM52211DM	JAG52211DM	GPSMB501	
		Compact Mobile WiFi Router	MAX BR1 Slim	4G LTE with 3G fall-back (2), WiFi (1), GPS (1)	2 SMA (Cellular), 1 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	RAZ42111DM	ARM42111DM	GPSLPMB401	GPSMB501	
		4G LTE M2M Specialist	MAX MR1 Mini	4G LTE with 3G fall-back (2), WiFi (1), GPS (1)	2 SMA (cellular), 1 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	RAZ42111DM	ARM42111DM	GPSLPMB401	GPSMB501	
		4G LTE/Broadband	MAX BR1 ENT	4G LTE with 3G fallback (2), GPS (1)	2 SMA (Cellular), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Glass: GPSPGMSMA, Direct: GPSPDM08, Magnetic: GPS0010, NMO: GPSPNMO10	RAZ32011DM	ARM32011DM	JAG32011DM	GPSMB301	
		Cellular Branch Networking Router	MAX BR1 Pro	4G LTE with 3G fall-back (2), WiFi (2), GPS (1)	2 SMA (cellular), 2 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	RAZ52211DM	ARM52211DM	JAG52211DM	GPSMB501	
	MAX Transit	Transportation WiFi	MAX Transit	4G LTE with 3G fallback (2 + 2 Opt.), WiFi (2), GPS (1)	2 SMA (WWAN1), 2 SMA (WWAN2, Opt.), 2 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	A set of one RAZ52211DM and optional RAZ22001DM	A set of one ARM52211DM and optional ARM22001DM	A set of one JAG52211DM and optional W1919	A set of one GPSMB501 and optional GPSMB301	
	MAX Multi-Cellular Router	Mobile Router	MAX HD2	4G LTE with 3G fall-back (4), WiFi (4), GPS (1)	2 SMA (WWAN1), 2 SMA (WWAN2), 4 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	A set of one RAZ52211DM and one RAZ42201DM	A set of one ARM52211DM and one ARM42201DM	A set of one JAG52211DM and one LPMB401	A set of one GPSMB501 and one GPSMB501	
			MAX HD2 mini	4G LTE with 3G fallback (4), GPS (1)	2 SMA (WWAN1), 2 SMA (WWAN2), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	Glass: GPSPGMSMA, Direct: GPSPDM08, Magnetic: GPS0010, NMO: GPSPNMO10	A set of one RAZ32011DM and one RAZ22001DM	A set of one ARM32011DM and one ARM22001DM	A set of one JAG32011DM and one W1919	A set of one GPSMB301 and one GPSMB301	
			MAX HD4	4G LTE with 3G fall-back (8), WiFi (4), GPS (1)	2 SMA (WWAN1), 2 SMA (WWAN2), 2 SMA (WWAN3), 2 SMA (WWAN4), 4 RP-SMA (WiFi), 1 SMA (GPS)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	WiFi: W1043, W5028x, W5098 GPS: GPSPGMSMA, GPSPDM08, GPS0010	A set of one RAZ62311DM, one RAZ32101DM, and two RAZ22001DM	A set of one ARM62311DM, one ARM32101DM, and ARM RAZ22001DM	A set of one JAG62311DM, one JAG32101DM, and two W1919	A set of two GPSMB501 and two GPSMB301	
			MAX On-The-Go	WiFi	1 RP-SMA (WiFi)	-	Best: W1043, IP65: W5028x, IP67: W5098	-	-	-	-	
			MAX 700	WiFi	4 RP-SMA (WiFi)	-	Best: W1043, IP65: W5028x, IP67: W5098	A set of two RAZ20201DM	A set of two ARM20201DM	A set of two JAG20201DM	A set of two GPSMB501	
	MAX Outdoor Router	Outdoor Router	MAX BR1 IP55	4G LTE with 3G fall-back	2 SMA (cellular)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	-	-	-	-	
			MAX BR2 IP55	4G LTE with 3G fall-back	2 SMA (WWAN1), 2 SMA(WWAN2)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	-	-	-	-	
			MAX HD2 IP67	4G LTE with 3G fall-back	2 SMA (WWAN1), 2 SMA(WWAN2)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700	-	-	-	-	-	
	GE MDS	Compact Industrial Routers	Industrial Router with Dual WAN-Radios	MDS Orbit MCR	900MHz Unlicensed (1) with WiFi (1) and 4G/3G (2 Opt.)	1 TNC (900MHz), 2 SMA (cellular, opt.) 1 RP-SMA (WiFi)	Great: SPDA24700/2700, Best: W5095K, MIMO: WA700/2700, 900MHz: W5084, W5095	Best: W1043, IP65: W5028x, IP67: W5098	-	-	-	-
			Industrial Router with Single WAN-Radio	MDS Orbit ECR	900MHz Unlicensed (1) with WiFi (1)	1 TNC (900MHz) 1 RP-SMA (WiFi)	900MHz Great: W5095, 900MHz Best: W5084	Best: W1043, IP65: W5028x, IP67: W5098	-	-	-	-



Call us at **+1.800.ANTENNA**



Visit our website at: **pulselarsenantennas.com**



Connect with us on twitter: **PulseLarsen1**



Worldwide Headquarters
San Diego, CA, USA
15255 Innovation Drive #100
San Diego, CA 92128
+1-858-674-8100

PulseLarsen Antennas Headquarters
Vancouver, WA, USA
18110 SE 34th Street
Suite 250, Building 2
Vancouver, WA 98683
Tel: **+1-360-944-7551**
antennas.us@pulseelectronics.com

Europe - Finland
Automaatitie 1, FI-90440 Oulunsalo.
Tel: **+358-20-7935-500**
antennas.eu@pulseelectronics.com

Europe - Germany
Campus Berliner Allee
Berliner Allee 65 D-64295
Darmstadt Germany
Tel: **+49.173.659.85.21**
antennas.eu@pulseelectronics.com

ISO Manufacturing Site
No 99. Huo Ju road, Suzhou new District,
Jiangsu Province, Suzhou, China, PRC.
Tel: **+86-512-69206053**
antennas.as@pulseelectronics.com



Version 2