

Antenna Solutions for Vehicle Routers and Gateways

The world of IoT presents a wide variety of router and gateway solutions available for industrial and mobile wireless connection. Each router's total number of radios can be deployed using SISO antennas, MIMO integrated solutions, or a combination depending on application. On the following pages are industrial and mobile routers from leading vendors and the most popular multi and single port antennas we provide. Easily match a router's radio configuration with the antenna that supports your chosen number of ports for Cellular, GNSS, and WiFi. You can also contact our applications team for support, including navigating cellular bands by country for a specific deployment.

Product	Series	Router Options	Multi-Port Integrated Antenna Solutions				
			Antenna Type	Cellular Ports 698-3800 MHz	WiFi Ports 2400-2500/ 4900-6000 MHz	GNSS Ports	Laird Part Number (with hyperlink)



AirLink MG90 Router	Mobile	4 Cellular 6 Wi-Fi 1 GNSS	6 in 1 Barracuda	2	3	1	VFH69383B23JW-518J	
			5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			3 in 1 Gar	2		1	VFT69383B2NJJN-518Q	
			2 in 1 Gar	2			VFD69383B2NNN-518R	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			3 in 1 Puck	1	1	1	VLT69273B11J-518A	
			3 in 1 Puck	2		1	VLT69273B2NJ-518A	
AirLink MP70 Router	Mobile, Industrial	2 Cellular 3 Wi-Fi 1 GNSS	6 in 1 Barracuda	2	3	1	VFH69383B23JW-518J	
			5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			3 in 1 Gar	2		1	VFT69383B2NJJN-518Q	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			3 in 1 Puck	2		1	VLT69273B2NJ-518A	
AirLink RV55 Router	Mobile, Industrial	2 Cellular 2 Wi-Fi 1 GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			3 in 1 Gar	2		1	VFT69383B2NJJN-518Q	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			3 in 1 Puck	2		1	VLT69273B2NJ-518A	
AirLink GX450 Gateway	Mobile	2 Cellular 1 Wi-Fi 1 GNSS	4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	2		1	VFT69383B2NJJN-518Q	
			3 in 1 Gar	1	1	1	VFT69383B11JN-518L	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			3 in 1 Puck	2		1	VLT69273B2NJ-518A	



IBR1700 Series	Mobile	2-4 Cellular 1-6 Wi-Fi 1 GNSS	6 in 1 Barracuda	2	1	1	VFH69383B23JW-518J	
			5 in 1 Gar	2	2	1	VFP69383B22JN-518L	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
IBR900/950 Series	Mobile	2 Cellular 1-2 Wi-Fi 1 GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518L	
			4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	1	1	1	VFT69383B11JN-518L	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			4 in 1 Puck	2	1	1	VLQ69383B21J-518A	
			3 in 1 Puck	1	1	1	VLT69273B11J-518A	
IBR600C Series	IoT	2 Cellular 2 Wi-Fi 1 GPS	5 in 1 Gar	2	2	1	VFP69383B22JN-518L	
			4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	1	1	1	VFT69383B11JN-518L	
			2 in 1 Gar	1		1	VFD69383B1NJJN-518Q	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			4 in 1 Puck	2	1	1	VLQ69383B21J-518A	
			3 in 1 Puck	1	1	1	VLT69273B11J-518A	
IBR200 Series	IoT	2 Cellular 1 Wi-Fi 1 GPS	5 in 1 Gar	2	2	1	VFP69383B22JN-518L	
			4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	2		1	VFT69383B2NJJN-518L	
			2 in 1 Gar	2			VFD69383B2NNN-518R	
			2 in 1 MIMO Phantom	2			MTRA61274CB2-001	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			4 in 1 Puck	2	1	1	VLQ69383B21J-518A	
			3 in 1 Puck	2		1	VLT69273B2NJ-518A	

Note: Part Numbers represent black, direct mount antenna with most popular cable length and connector. More parts available on product pages at lairdconnect.com

Product	Series	Router Options	Multi-Port Integrated Antenna Solutions				
			Antenna Type	Cellular Ports 698-3800 MHz	WIFI Ports 2400-2500/ 4900-6000 MHz	GNSS Ports	Laird Part Number



DIGI TX54	Mobile, IoT	2-4x Cellular 2x Wi-Fi 1x GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
DIGI TX64	Mobile, IoT	4-8x Cellular 4x Wi-Fi 1x GNSS	6 in 1 Barracuda	2	3	1	VFH69383B23JW-518J	
			6 in 1 Barracuda	2	2	1	VFH69383B22JU-518J	
DIGI WR54	Mobile, Public Safety, IoT	2-4x Cellular 2x Wi-Fi 1x GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			3 in 1 Puck	2		1	VLT69273B2N-518A	
DIGI WR64	Mobile, IoT	4x Cellular 6x Wi-Fi 1x GNSS	6 in 1 Barracuda	2	3	1	VFH69383B23JW-518J	
			5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
DIGI WR44 R	Mobile, Train, IoT	2x Cellular 2x Wi-Fi 1x GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	1	1	1	VFT69383B11JN-518L	
			2 in 1 Gar	1		1	VFD69383B1N-518Q	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			4 in 1 Puck	2	1	1	VLQ69383B21J-518A	
			3 in 1 Puck	1	1	1	VLT69273B11J-518A	
DIGI WR44 RR	Mobile, Train, IoT	2x Cellular 2x Wi-Fi 1x GNSS	5 in 1 Gar	2	2	1	VFP69383B22JN-518J	
			4 in 1 Gar	2	1	1	VFQ69383B21JN-518L	
			3 in 1 Gar	1	1	1	VFT69383B11JN-518L	
			2 in 1 Gar	1		1	VFD69383B1N-518Q	
			5 in 1 Puck	2	2	1	VHP69273B22J-518A	
			4 in 1 Puck	2	1	1	VLQ69383B21J-518A	
			3 in 1 Puck	1	1	1	VLT69273B11J-518A	

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Single-Port Antenna Solutions for Vehicle Routers & Gateways

An additional/alternative option for any of the above routers or gateways listed above is to add a single-port antenna for one or more of the bands. Listed below are some of the most popular single-port antenna solutions available from Laird Connectivity which serve the Cellular, Wi-Fi and GNSS bands. These antennas can be used individually, in combination with other single-port antennas or alongside the multi-port antennas listed above for any of the routers or gateways listed to provide complete and reliable coverage.

Antenna Types									
Antenna Frequency Range (MHz)	698-2700	698 - 2700	698 - 2700	698 - 2700	698-2700	698-960 / 1710-2700	2400-2500/ 4900-5850	2400-2483/ 5150-5850	1559.052-1605.89
Band	Cellular					Wi-Fi		GNSS	
Part Number	TRA6927M3	HCR6927M3	HCF69273BN	LPS69223NT LPS69273NT	LPS69863NT	DBA6927	TRA24/49003	RD2458-5	GNS1559MPF-100SAM