

## DAS ANTENNAS





For Cellular/LTE, Wi-Fi and Public Safety

# CELLULAR DAS ANTENNAS





Laird External Antennas continues to lead the industry with DAS innovation. The company was the first in the industry to introduce:

- 2-port and 4-port low profile MIMO antennas
- QR bar code antenna specification label
- Ultra-low-profile MIM/SISO antennas in the CBRS bands
- Future-proofed DAS and small cell frequencies

## MIMO- 2-PORT, LOW PIM, OMNI DAS ANTENNAS

				
<b>Part Number</b>	<b>CFD69716P</b>	<b>CMD69423P</b>	<b>CFD69383P</b>	<b>CMD69273P</b>
Style	Ultra-Low-Profile Circular 2-Port	Low-Profile Circular 2-Port	Ultra-Low-Profile Circular 2-Port	Low-Profile Circular 2-Port
Dimensions - HxD - mm (in.)	7.6 x 250 (0.30 x 9.84)	218x43 (8.6x1.7)	250x8 (9.84x 0.3)	218x43 (8.6x1.7)
Frequency Bands (MHz)	698-960/1300-4200/5150-7125	698-960/1300-4200	698-960/1350-1550/1690-4000	698-960/1710-2700
VSWR	<1.4:1	<2:1	<1.4:1	<1.7:1
Peak Gain (dBi)	2.8-5.7	3.9-6.8	3.8	3.9
Polarization at each port	Linear, Horizontal	Vertical & Horizontal	Linear, Horizontal	Vertical & Horizontal
PIM, Third Order, 2 x 20W	<-162 dBc	<-150 dBc	<-158 dBc	<-154 dBc

## SISO, LOW PIM, OMNIDIRECTIONAL DAS ANTENNAS



				
<b>Part Number</b>	<b>CFS69594P</b>	<b>CFSA69383P</b>	<b>CFS60383P</b>	<b>CFS635606P</b>
Style	Ultra-Low-Profile Circular	Ultra-Low-Profile Circular	Ultra-Low-Profile Rectangular	Ultra-Low-Profile Circular
Dimensions - HxD - mm (in.)	7.6x180 (0.30x7.1)	7.6x180 (0.30x7.1)	180x117x8 (7.1x4.6x0.3)	269x8 (10.6"x0.30")
Frequency Bands (MHz)	698-960/1350-1550/1690-4200/5150-5925	698-960/1350-1550/1690-4000	600-960/1350-1550/1690-3800	350-520/600-960/1350-1550/1690-6000
VSWR - Max	<1.7:1	<1.2:1	<1.5:1	<2.5:1
Peak Gain (dBi)	5.6	3.5	3.6	7.3
Polarization at each port	Linear, Horizontal	Linear, Horizontal	Linear, Horizontal	Vertical
PIM, Third Order, 2 x 20W	<-166 dBc	<-160 dBc	<-156 dBc	<-150 dBc

# CELLULAR DAS ANTENNAS


The antenna examples covered in this brochure are popular models available from a wider portfolio.

To view the entire portfolio please visit the [DAS Antennas section](#) of our website for additional cellular & Wi-Fi solutions.

## LOW PIM, DIRECTIONAL OUTDOOR DAS ANTENNAS

		
<b>Part Number</b>	<b>PAV69278PO</b>	<b>PAS69278P</b>
Style	SISO Outdoor	2-Port MIMO Indoor/Outdoor
Dimensions - HxD - mm (in.)	249x249x61 (9.82x9.8x2.41)	295x295x81 (11.6x11.6x3.2)
IP Rating	IP67	IP55
Frequency Bands (MHz)	698-960 / 1710-2700	698-960 / 1710-2700
VSWR	<1.8:1	<2.0:1
Peak Gain (dBi)	7.6	9.1
Polarization at each port	Vertical	Slant ±45°
PIM, Third Order, 2 x 20W	<-150 dBc	<-151 dBc



## MIMO, 4-PORT, LOW PIM, OMNIDIRECTIONAL DAS ANTENNAS

	
<b>Part Number</b>	<b>CMQ69273P</b>
Style	Low-Profile Circular 4-Port
Dimensions - HxD - mm (in.)	74x56 (2.9x 2.2)
Frequency Bands (MHz)	698-960 / 1710-2700
VSWR - Max	<2.0:1
Peak Gain (dBi)	6.0
Polarization at each port	Linear, Horizontal
PIM, Third Order, 2 x 20W	<-154 dBc

# WI-FI DAS ANTENNAS

As well as an extensive cellular DAS portfolio our portfolio also includes several wi-fi DAS antennas. Some examples are shown below but more can be found [on our website](#).

## LOW PIM, DIRECTIONAL OUTDOOR DAS ANTENNAS

		
Part Number	CMM24513S4	CMQ23496
Style	4-Port MIMO Indoor	4-Port MIMO Indoor
Dimensions - HxD - mm (in.)	43.5 x Ø218.7 (1.71 x x 8.61)	32 x 178 (1.26 x 7)
Frequency Bands (MHz)	2300-2700 / 4900-5950	698-960 / 1710-2700
VSWR	<1.8:1	<2.0:1
Peak Gain (dBi)	3.3	6.3
Polarization at each port	Vertical	Vertical

# CUSTOM DAS ANTENNAS

Our portfolio of DAS antennas can be customized to meet your needs with changes in cable length or connector types. Full custom developments can also be undertaken for specific requirements.

Browse the [DAS Antennas section](#) of our website to view our off the shelf solutions. Alternatively contact us via the website to discuss your custom development needs.

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