

# LTE/WIFI MIMO & GPS Low Profile Antenna

LTE - 698-960 & 1710-2700MHz / WIFI - 2.4 & 5GHz

GPS - 1575.42MHz



The LTE-MHP incorporates 5 antennas in a single - ruggedised low profile housing. Two (MIMO) LTE/4G/3G antennas covering all cellular bands and also providing increased data speeds and two (MIMO) dual band WiFi antennas give blistering speeds at both 2.4 and 5GHz. Plus a fifth high performance active GPS antenna. Main applications are for industrial vehicles, M2M and other IoT using a range of radio technologies.

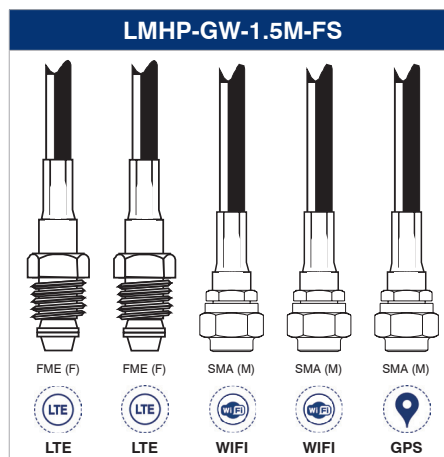
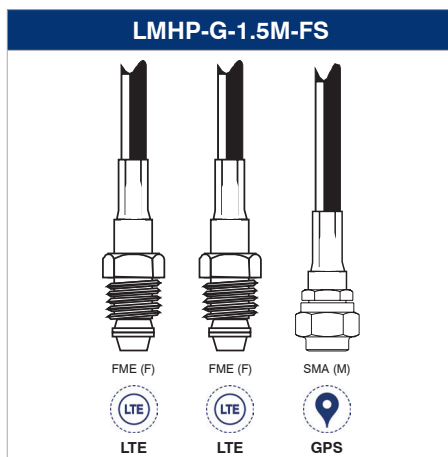
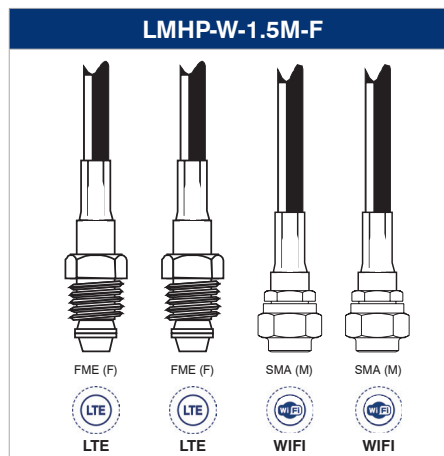
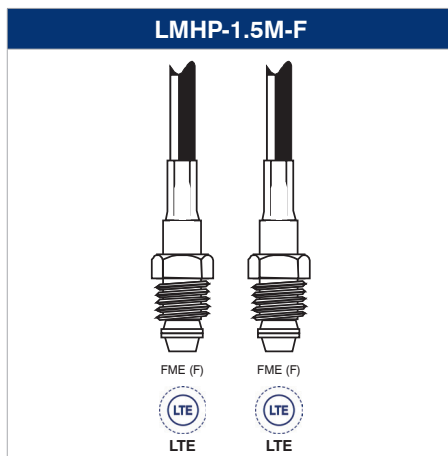
## Features:

- No tune, multiband coverage
  - Dual 4G LTE (MIMO) antennas
  - Dual WIFI (MIMO) antennas
  - GPS antenna
- Metal 16mm Ø stud mount/nut provides single cable exit for easier installation
- Attractive low profile housing for added overhead clearance
- IP65 compliant design provides maximum protection against water or dust ingress under severe environmental conditions
- UV resistant black housing compliments most installations whether fixed or mobile



## Electrical Specifications

Model Number	LMHP-1.5-F	LMHP-W-1.5M-FS	LMHP-G-1.5M-FS	LMHP-GW-1.5M-FS
Bands				
LTE	Yes - MIMO			
WIFI	n/a	Yes - MIMO	n/a	Yes - MIMO
GPS	n/a	n/a	Yes	Yes



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## Electrical Specifications (continued)

LTE		
Frequency MHz	698-960	1710-2700
Gain dBi	2	4
VSWR	<2.5:1	
Polarisation	Vertical	
Isolation dB	6 min.	
Power Rating W	10	
Impedance Ω	50	

WIFI		
Frequency MHz	2.4-2.5	5.7-5.8
Gain dBi	5.5	
VSWR	<2.0:1	
Polarisation	Vertical	
Isolation dB	25 min.	
Power Rating W	10	
Impedance Ω	50	

GPS	
Frequency MHz	1575.42
Gain dBi	28
Noise Figure	1.2dB with carrier input -35 dBm
VSWR	<2.0:1
Polarisation	RHCP
Power Rating W	10
Operating Voltage V	3 ~ 5
Impedance Ω	50

	LMHP-1.5M-F	LMHP-W-1.5M-FS	LMHP-G-1.5M-FS	LMHP-GW-1.5M-FS
Dimensions mm	110 Ø x 66			
Weight kg	0.5			
Radome	Black UV stable ABS			
Base	Cast aluminium			
Mounting mm	M16 thread stud & nut (28 long)			
Cables(s)	2 x RG174	4 x RG174	3 x RG174	5 x RG174
Connectors(s)	LTE = 2 x FME(F)	LTE = 2 x FME(F) WIFI = 2 x SMA(M)	LTE = 2 x FME(F) GPS = 1 x SMA(M)	LTE = 2 x FME(F) WIFI = 2 x SMA(M) GPS = 1 x SMA(M)
Water Ingress	IP65			
Operating Temp.°C	-40 to +85			