



ProMobile

Connecting your vehicle and fixed device

- 4G
- 5G
- Wi-Fi
- GNSS
- LTE 450
- UHF

Your reliable antenna partner

Why choose Amphenol Procom as your antenna partner?

- 40+ years mobile antenna experience
- Trusted partner and manufacturer of mobile antennas to numerous mission critical networks & public transport markets around the world
- Strong and unrivalled history of co-creating solutions that fits our customers exact needs
- 20+ RF engineers in our R&D team
- Part of the Amphenol family, which access us to extensive RF knowledge and RF products across Amphenol brands

What does it take to secure reliable communication?

- Wireless communication to vehicles and fixed assets can be challenging for many reasons
- Consistent data throughput despite changing locations
- Weather & vibration wear on equipment
- Need for covering many bands, increase the risk of interference
- Aesthetically pleasing yet still protected against vandalism

Renowned for high-end quality products

- Stringent test regime -> Environmental, mechanical & RF characteristics measured inhouse in combination with external test houses.
- All internal parts / elements are securely fastened using screws and soldering. No glue is used for assembly of the antenna.
- Material selection of UV stabilised plastics



Local manufacturing in both Europe and the US

- Extremely high European and US content, local sources, independent from far-east components
- Shorter transportation time and kinder to the environment
- Adaptive to local requirements



Antennas for Mobile applications

ProFin & ProFin Plus

Public Safety and Mission Critical networks are migrating to LTE, like FirstNet and ESN, connected vehicles need highly reliable wireless broadband connections that can support ultra-fast access to databases, voice, mapping or streaming video as part of a highly intelligent communication system.

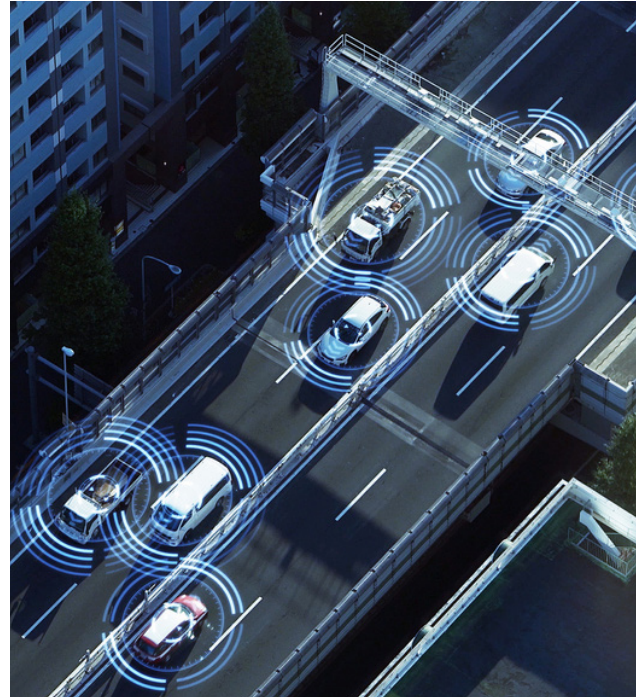


The ProFin is our SISO FIN offering, with some very unique features. Covering 698 - 2700 MHz, with location based services with a single or dual element. Can be configured as 3-in-1, 4-in-1 and 5-in-1 SISO.

Furthermore, Wi-Fi for 2.4/5.8 as standard. Another feature of this product is a UHF element embedded giving the ProFin a discrete covert look on top of the vehicle. An optional VHF or UHF external whip can be fixed too. IP67 is standard.

Applications:

- 4G/5G
- 2x2 MIMO, LTE and WiFi
- GNSS and GPS elements
- ESN ready
- IP67 protection



The ProFin Plus Antenna is our 2x2 MIMO solution for Mission Critical Radio Networks.

Mission Critical Networks require connected vehicles to be highly reliable wireless connections, which can support ultra-fast access to voice, mapping or streaming video as part of a highly intelligent communication system. Can be configured as 5-in-1 or 6-in-1 MIMO.

Applications:

Multi-Band – coverage LTE, GPS, GNSS, WiFi and UHF/VHF external whips all supported by 2x2 MIMO. IP67 is standard.



Antennas for high speed data applications

ProNexus & ProNexus Plus

Undeniably data, more than voice, is the future in mobile vehicle applications. Vehicle-to-everything (V2X) communications, semi-autonomous, and autonomous vehicles are key drivers and 4G and 5G will play a significant role in that data stream.

However, automobiles will still need to integrate technologies like GNSS & Wi-Fi. Coupled with the need for MIMO to increase the capacity of the radio link and therefore increase data speeds.

The ProNexus platform offers two unique ground independent antenna solutions that combine all the technologies you need in one low profile unit that offers connectivity for LTE, 5G, and Wi-Fi 2.4, and up to 7.2 GHz, while not forgetting the new standards of Wi-Fi 6/6E.



With 8x8 MIMO (ProNexus Plus) you can take advantage of the newest 5G Dual radio routers with a one-antenna solution, or simply future proof your fleet till the need arise. A one-antenna solution not only saves capex, but it also minimizes installation costs.

Designed with a sleek, low-profile form, our antennas seamlessly integrate into any setting, be it mobile or fixed. This practical versatility is combined with robust performance to deliver a superior internet experience, providing the lowest latency and highest throughputs.

Unleash the true potential of your network and step into the future of blazing fast 5G with our next-generation antenna.

Key features for ProNexus platform:

- Up to 8x8 MIMO 5G covering 617 - 7200 MHz
- 8x8 MIMO version optimized for CAT 18/CAT 22 routers.
- Up to 2x GNSS.
- Up to 6x6 Wifi 6E covering 2400 MHz to 7200 MHz
- Comes in multiple configurations: 9-in-1, 10-in-1, 11-in-1, 12-in-1, and 15-in-1 MIMO.
- Compact design – easy to retrofit.
- IP69k offers protection against high powered water spray.
- Fixed with a single through hole mount.
- Cables are UN ECE R 118 compliant feeds.



Typical applications:

- Police cars
- Ambulances
- Firetrucks
- Emergency services
- Buses
- Autonomous vehicles



Antennas for mobility and fixed wireless solutions

ProEdge

Blurring the lines between Mobility and Fixed Wireless Access – ProEdge Antenna. Designed for connectivity for Fixed Wireless Access and Mobility solutions alike!



Our cutting-edge fixed wireless antenna leverages advanced antenna technology resulting in lightning-fast data speeds, thanks to 2x2 MIMO, an advanced antenna system to improve performance for browsing, streaming, and downloading experiences.

Offering wideband coverage for networks, LTE, 5G and Wi-Fi the ProEdge provides expansive coverage for smart city applications, smart transportation & Industrial robotics, telemetry, smart metering, autonomous vehicles, automated parking, backup and remote terminal data connections. Ease of integration is at the forefront of the design.

ProEdge offers a single through hole bolt, delivering a quick and simplistic installation.



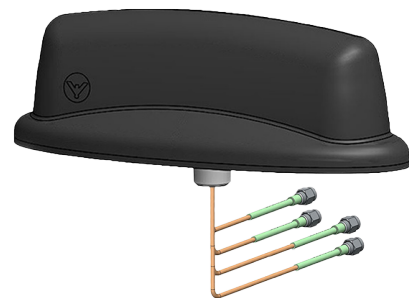
Features:

- 2x2 MIMO LTE and WI-FI
- 2G/3G/4G/5G
- CBRS and WI-FI 6E 2.4/4.9-7.2 GHz
- Optional GNSS
- IP69 Ingress protection
- IK10 rated enclosure



Applications ideas:

- Oil and gas rigs
- Agriculture
- Water meter monitoring
- Energy
- Smart Cities
- Other utility application



Antennas for fixed wireless applications

ProConnect & ProConnect Plus

The **ProConnect** and **ProConnect Plus** are compact antennas with low visual impact and high performance. Available as MIMO or SISO these ground plane independent antennas cover 4G, 5G, CBRS, WiFi 2.4 / 5 and Wi-Fi6. Options include either 1 or 2x GNSS element(s).

The environmental specification is high end too. IP69K ingress protection, IK10 impact resistance and ECE 118 fire rated cables.

Can be configured as 2-in-1 and 3-in-1 SISO or 3-in-1 and 4-in-1 MIMO.

Applications ideas:

- Smart City – EV charge points, Vending machines, Payment Machines, and hotspots.
- Smart Industry – Cargo loading and handling. Mobile vehicles and IIoT
- Smart Transportation – Public Safety, Fleet Management, and Intelligent transports Solutions





	ProFin	ProFin Plus	ProNexus	ProNexus Plus	ProConnect	ProConnect Plus	ProEdge
4G/5G	✓	✓	✓	✓	✓	✓	✓
UHF/VHF	UHF Built-in. UHF & VHF whip option	UHF & VHF whip option	-	-	-	-	-
SISO	✓ 3-in-1 4-in-1 5-in-1	-	-	-	✓ 2-in-1 3-in-1	-	-
MIMO	-	2x2 3-in-1 4-in-1 5-in-1	4x4 / 6x6 9-in-1 10-in-1 11-in-1 12-in-1	8x8 Up to 15-in-1	-	2x2 3-in-1 4-in-1	2x2
GNSS	1	1	Optional 1 or 2 elements	1	Optional 1 or 2 elements	Optional 1 or 2 elements	1
WiFi	2.4 / 5.8	2.4 / 5.8	Up to 6x6 WiFi 6e	Up to 6x6 WiFi 6e	WiFi 6E	Up to 2x2 WiFi 6e	Up to 2x2 WiFi 6e
IK10 rated	✓	✓	✓	✓	✓	✓	✓
IP	IP67	IP67	IP69K	IP69K	IP69K	IP69K	IP69K
Applications	Mobile	Mobile	Fixed Wireless / Mobile	Fixed Wireless / Mobile	Fixed Wireless / Mobile	Fixed Wireless / Mobile	Fixed Wireless / Mobile

About Amphenol Procom

At Amphenol Procom, we are committed to providing solutions that can be trusted no matter how extreme the environment, or how complex the complete networks solution might be. We exist to create innovative and reliable solutions together with our customers.

We are proud of what we do, how we do it, and the values we bring.

Your network relies on the quality of its components; if one goes down, it can take the rest with it. That's why our products are built for quality and tested to the extreme - so that performance is not compromised under any circumstances. With manufacturing in Denmark, UK, and the US, Amphenol Procom serve a wide range of market segments such as Public Safety, Private LTE/5G Networks, Utilities, and Transportation.

We have more than 7.000 products in our portfolio, mainly covering base station antennas, portable & mobile antennas, combiners, filters and DAS solutions.

Amphenol Procom is a division of the Amphenol Corporation, a \$10 billion-dollar organization that is one of the largest manufacturers of interconnect products in the world. The company designs, manufactures and markets electrical, electronic and fiber optic connectors, coaxial and flat-ribbon cable, and interconnect systems.



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