



Amphenol[®]

PRIVATE NETWORKS



**Connecting
First
Responders**





CONNECTING FIRST RESPONDERS

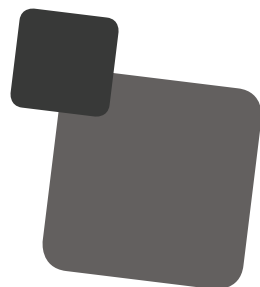
1st CLASS ANTENNA, FILTER AND COMBINER SOLUTIONS

Amphenol's comprehensive product range is serving system integrators, installer- and network operators. Our Amphenol Private Networks division offers customized design service to create antenna products, combiner and filter products that exactly match the electrical and mechanical characteristics required.

Apart from combiners, duplexers and base station antennas, Amphenol Private Networks offers and designs a wide portfolio of DAS related equipment such as power splitters, tappers, couplers, diplexers, indoor antennas and DC blocks.

Amphenol Private Networks antenna products are developed to ensure maximum electrical and mechanical characteristics. With a line of high gain omni antennas and with a line of broad banded panel antennas with and without RET (Remote Electrical Tilt), Amphenol Wireless Solutions can also supply antenna products with extremely low PIM values to demanding customers.

Amphenol Private Networks has for years produced high quality and heavy-duty antennas. The dipole and yagi antennas from Jaybeam Wireless are very popular and commonly used in applications where such products are needed for excellent performance. Amphenol Private Networks also has a versatile portfolio of indoor DAS antennas, broad banded and multi-frequency.



MISSION CRITICAL COMMUNICATION SOLUTIONS

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Amphenol Private Networks designs and manufactures antenna technology for P25, TETRA, LTE, DMR, Air Band Radio, Marine and similar LMR/PMR network operations. Amphenol also designs and manufactures a comprehensive range of filtering and combining equipment, both for site applications and for highly customized applications with RF components designed into OEM base station and infrastructure equipment.

ADVANCED ANTENNA SOLUTIONS

The **Amphenol Private Networks** Group consisting of Procom, Skymasts and Jaybeam has the strongest and most versatile portfolio of antenna equipment. Just to mention a few, our portfolio consists of dual band TETRA/P25-LTE antennas, high performance and high gain UHF omni antennas and many antennas even with electrical down tilt RET. We also market a range of broad banded UHF panel antennas also with electrical and mechanical down tilt options. Low PIM values are a natural part of our antenna solution



DAS SOLUTIONS

Amphenol Wireless Solutions component programme comprises antennas, couplers and power splitters, dummy loads & attenuators, isolators, circulators & power monitors. The system components are designed by experienced engineers with a focus on the professional user. The products are of sturdy construction and the use of high-quality materials in connection with an extensive QA-system ensures the high quality of both electrical specifications as well as mechanical parameters.



ADVANCED COMBINER AND FILTERING SOLUTIONS

APN also offers a very high performance and high quality range of combining and filtering equipment produced by Procom in Denmark. Combiners are both cavity and hybrid and numerous product combinations and solutions are possible to fit any customized application. The range is complete with isolators, band pass/band reject filters, flexible and broad banded receiver multicouplers and a wide range of duplexers – some even designed for high power handling and very narrow split between the TX and the RX frequencies. Procom has for the past 35 year supplied many highly customized combiner solutions to demanding customers operating first response and emergency networks.



FACTS & TECHNOLOGIES

Amphenol Private Networks, the one stop shop supplier with a wide range of RF products for LMR and Cellular technologies like DMR, P25, Tetra, Wi-Fi, 3G and 4G etc.

CONNECTING FIRST RESPONDERS

Antenna, filter and combiner solutions



COMBINERS

- Combiner solutions for dual-to multi carrier systems, both cavity and hybrid solutions – from 60MHz to 2700MHz.
- Cavity and hybrid combiners for DMR applications in VHF and UHF, TETRA applications and solutions for 3G/4G/LTE cellular networks
- 19" Rack mounted low -and high power Hybrid combiners
- Solutions for combining several transceivers to one antenna, a dedicated directional – and omni directional antenna solution.

The Amphenol Private Networks division offers a true one-stop-shopping concept when designing, building and integrating cellular and radio communication networks. The complementary products from Amphenol Antenna Solutions and Amphenol Private Networks will be the right source for any requirement. Antenna -, filter and combiner equipment, mobile and portable antennas and even a wide range of accessories.

For even more customer convenience when designing and building radio sites and radio towers, you can also source cables, cable assemblies and cable mounting equipment from Amphenol TMS. We have full access to the high quality and high performance range of products from Times Microwave Systems.

BASE STATION ANTENNAS

- High performance
- Wide spectrum
- Low SWR
- HD and Lightning protected antennas
- Antennas for Hazardous environment (ATEX)
- High Class Stainless steel mounts

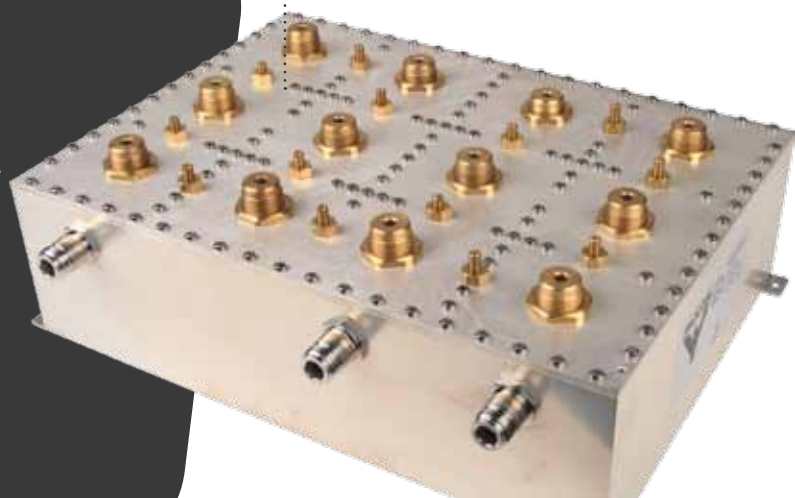


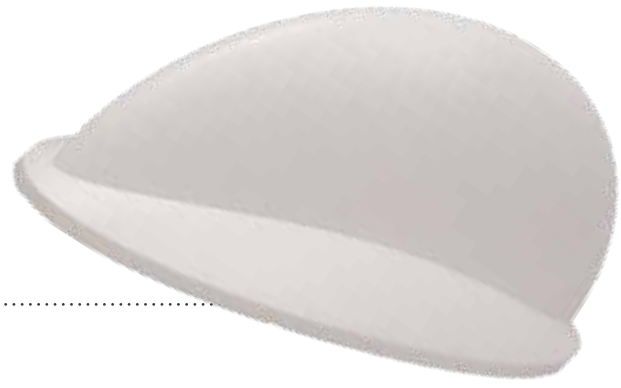
TECHNOLOGIES

- Airband
- DMR 150 & 450 MHz
- P25
- TETRA 400 & 800 MHz
- ATEX, all frequencies
- DAS, all frequencies
- LTE 800
- WIFI

DUPLEX FILTERS

- Customized filters for high performance base stations
- High Q, low loss, high power filters
- Advanced technology with high performance duplexers + band pass filter in one product
- High Pass & Low pass filters
- Narrow-and wide spectrum band width
- Individual duplex spacing





MOBILE ANTENNAS

- Flexible solutions for single and multi band requirements
- Time saving installations. Mounting from outside
- GPS, and multi band antennas in same device

DAS

- Slim line antennas for wall and ceiling mount. Both narrow band and wide band
- Wide portfolio of RF components for indoor solutions. High power splitters, power dividers, couplers, tappers, diplexers and more. All equipment extremely broad banded
- Wide portfolio for numerous combinations of frequencies and coupling levels to fit any DAS installation

INFO

- Wide product portfolio
- Highest and best quality
- Reliable products
- Customized products and solutions



CABLES, CONNECTORS AND CABLE ASSEMBLIES

- Wide portfolio of high quality cables for high frequency wireless solutions
- Cables for both indoor and outdoor use
- Low PIM corrugated high performance cables
- Connectors, cable jumpers and customized cable assemblies



DIPLEXER AND TRIPLEXER

- Wide portfolio of filters for multi inputs
- Multi frequency bands
- High performance, low loss, low PIM values
- Small size and available with N, 7/16 and 4.3-10 connectors

MOBILE COMBINERS

- New combiners. State of the art technology to insure reliability in environment with parallel operation of multiple devices.
- Mobile combiners for digital carriers like Tetra, DMR and LTE
- TMO and DMO solution
- From 2 channels to 8 channel solutions
- Small size, high performance



QUALITY MANAGEMENT SYSTEM

- ISO 9001:2008 CERTIFICATION
Management system certified by Force Certification
- ATEX APPROVED PRODUCTS
Market requirement –special Oil & Gas



FLEXIBILITY, SAFETY, QUALITY, RESPONSIVENESS

OUR VALUES

We focus on four values as beacons in our daily work where we endeavour to be the best in the world at our line of business. These four values are: Flexibility, Safety, Quality, Responsiveness. These values are expressed in the way we are acting towards each other in the organization. And

they are expressed in relation to our co-operation partners and customers throughout the world. Amongst other things, the values mean that we are constantly striving to adjust to the market and to the user's needs with a focus on safety and quality.





OUR PRIMARY TARGET IS GOOD QUALITY AND...

SATISFIED CUSTOMERS

We are committed to life-saving and mission critical communication. The Amphenol products

are often used in reliable systems where quality of service is a demand.

HOW MAY WE BE OF SERVICE?

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