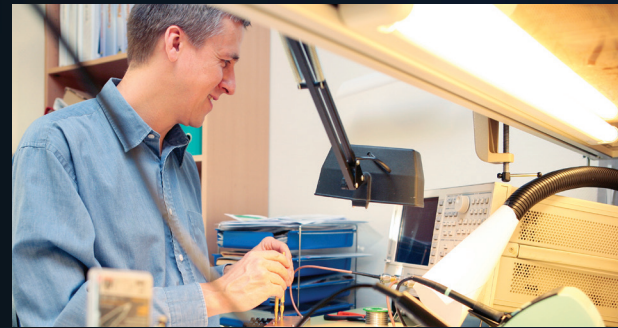


About us

Amphenol Private Network's success today is owed to the Jaybeam and Procom brands, with over 70 years of experience and dedication to their name.

Our success comes from designing and manufacturing products for network operators, system integrators and original equipment manufacturers.

Amphenol Private Networks is a division of the Amphenol Corporation, a \$6 billion-dollar organisation supplying diverse markets, including: mobile networks, automotive industries, military/aerospace, IT and medical sectors.



Internet of Things Network Infrastructure



IoT product line

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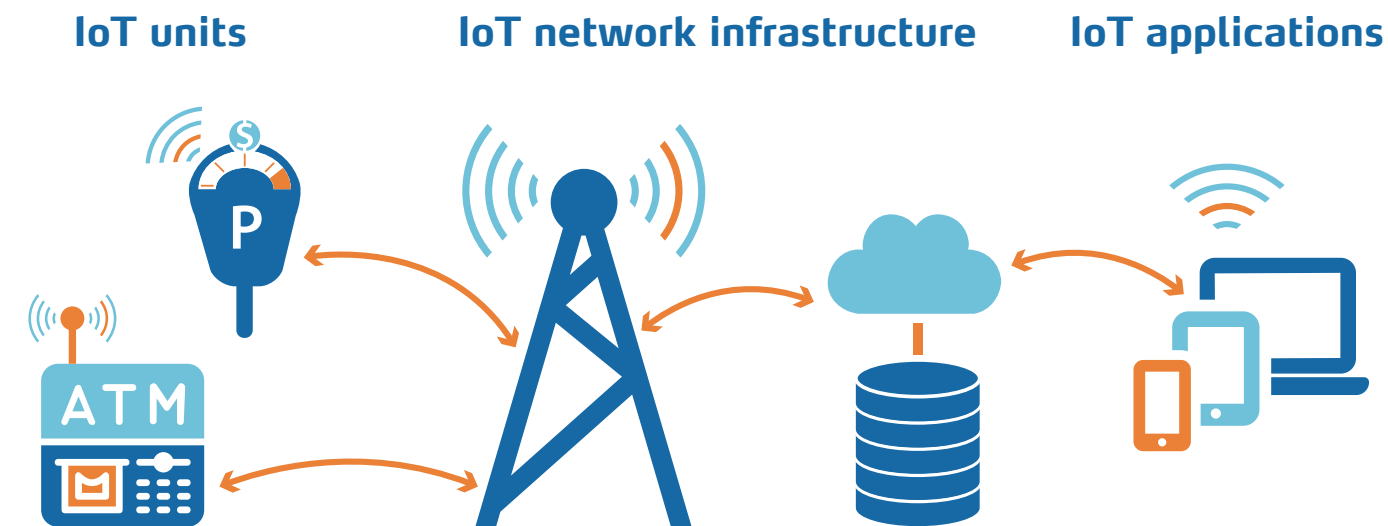
Amphenol[®]
PRIVATE NETWORKS

Amphenol® PRIVATE NETWORKS

At the heart of your IoT network

In the IoT network, the connected "things" can either have embedded antennas or external antennas and these will -via an IoT base station antenna- send and receive data from a network database.

Amphenol Private Networks has a strong portfolio of IoT base station antennas suited for even the harshest environment. The external antenna- send and receive data from a network database. The external end device antennas -like an ATM machine- are also part of our product offering.



An experienced IoT partner

With many decades of experience in designing and manufacturing products for networks such as GSM, LTE and Public Safety, our IoT offering has the same quality reliable performance, even in the harshest of conditions, whilst maintaining a high Quality of Service for your IoT network. Ease of installation and no maintenance make our solutions ideal.

We have years of experience with IoT through the global roll-out of Sigfox and LoRa networks. Besides these platforms, we have been working with global System Integrators and Mobile Network Operators throughout Europe and North America for deployment in their local and regional IoT networks. **Amphenol Private Networks is a proud partner for customers deploying:**



NB-IoT



IoT base station antennas - Product Overview

We offer a wide range of IoT base station antennas that are vertically polarized, omni-directional colinear antennas, covering the 790-960 MHz band.

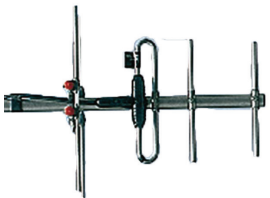
The carefully designed, broad-banded antenna element is sealed in a high-quality, glass fibre tube with a low wind-load, which ensure the performance is undisturbed by corrosive environments.

Omnidirectional

Model	Freq (MHz)	Gain (dBd)	Mounting
7553893	860-925	3	Integral Bracket
7556880	860-900	5.7	Integral Bracket
CXL 900-3LW-NB/868	860-880	4	Integral Bracket
CXL 900-3LW/l	824-894	3	Integral Bracket
CXL 900-3HW/h	890-960	3	Integral Bracket
CXL 900-6LW-NB/868	860-880	6	Integral Bracket
CXL 900-6LW/l	824-894	6	Integral Bracket

Directional (others available upon request)

Model	Freq (MHz)	Gain (dBd)	Mounting
7385900	790-960	7	Several Options
7175890	870-960	10	Several Options
7176870	820-900	14.4	Several Options



IoT end-point device antennas – Product Overview

End-point devices, such as ATM's, smart meters parking meters, refineries or wind farms need a

reliable antenna and a high performance antenna that will last for years to come.

End-point device antenna models

Model	Freq (MHz)	Gain (dB)	Radiation	Mounting
MU 909-XP4/l*	820-890	2	Omni	Oblong Mount
MU 909-XP4/h*	870-940	2	Omni	Oblong Mount
MU 909-CXP4/l*	820-890	2	Omni	Circular Mount
MU 909-CXP4/h*	870-940	2	Omni	Circular Mount
FSP 900/...FME	820-960	5	Omni	Direct Screw
FSP 900/...SMA	820-960	5	Omni	Direct Screw

*4 m cable + FME-connector



Band pass filters for IoT networks

Some IoT networks require band pass filters to protect a receiver against interference. We offer

a wide ranges of these filters to supplement our IoT base station antennas.

