

Network
infrastructure

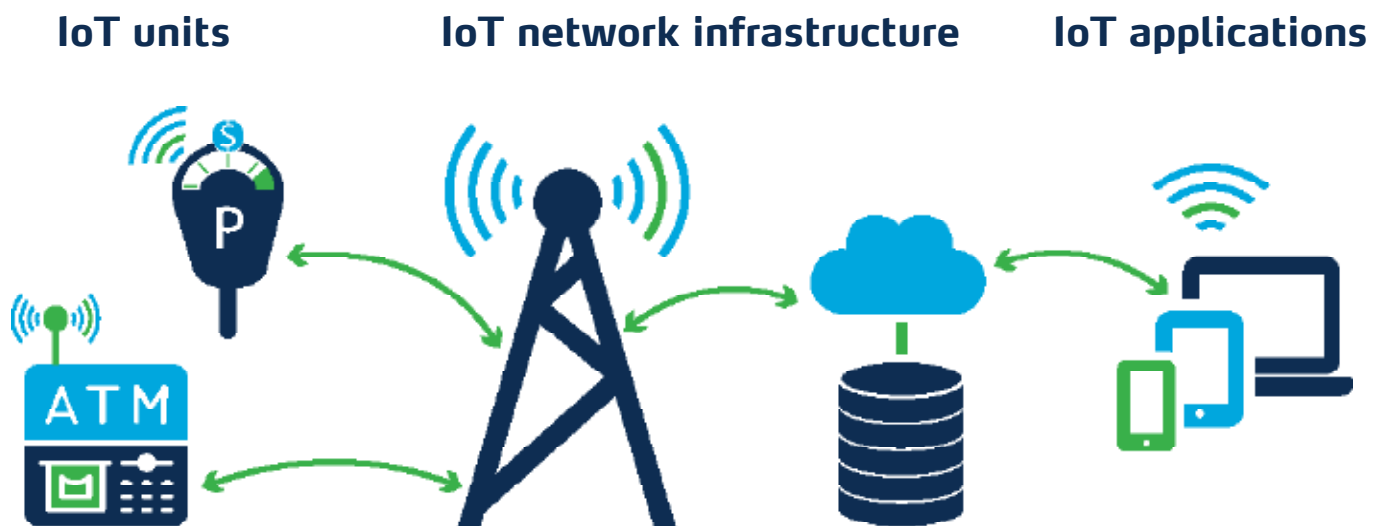
Internet of Things

IoT product line

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 Procom has a strong portfolio of IoT base station antennas suited for even the harshest environment. 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 Procom 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 900-3LW/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.



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. Our mission is simply to: *“deliver the world’s most trusted and flexible solutions for professional wireless communication where connectivity and dependability are critical”*

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. Amphenol Procom consists of the former Procom, Jaybeam and Skymast brands, that with manufacturing in Denmark and the UK serve a wide range of market segments such as Public Safety, Aviation, Telecom, Hazardous Environments, IOT, Transportation and Industry.

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 \$7 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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