APPLIOT

PLUG N PLAY IOT
FOR REMOTE INDUSTRIES

info@appliot.net

APPLIOT

TAKE IOT BEYOND

COMPACT

terminal | antenna + modem

The Appliot flexible software-defined platform is enabled by an electronically steered phased array antenna with built-in modem to give you a lightweight, CFC-compliant, Ku/Ka-band terminal that is easy to mount, install and operate anywhere on Earth.

APPLIOT

01

Limitless Reach

We extend IOT networks to the furthest corners of the globe, far beyond the reach of terrestrial-based providers.

02

Market Engineered

Appliot technology is shaped by market requirements to place the power of AI and IOT into your operations anywhere on Earth.

03

Achieve More

Leverage AI to action critical IOT data that increases efficiency, safety and profits.

Appliot was driven by globally researched market requirements and developed with advanced technology to deliver enhanced IOT connectivity that is affordable for a wide range of applications across remote industries.

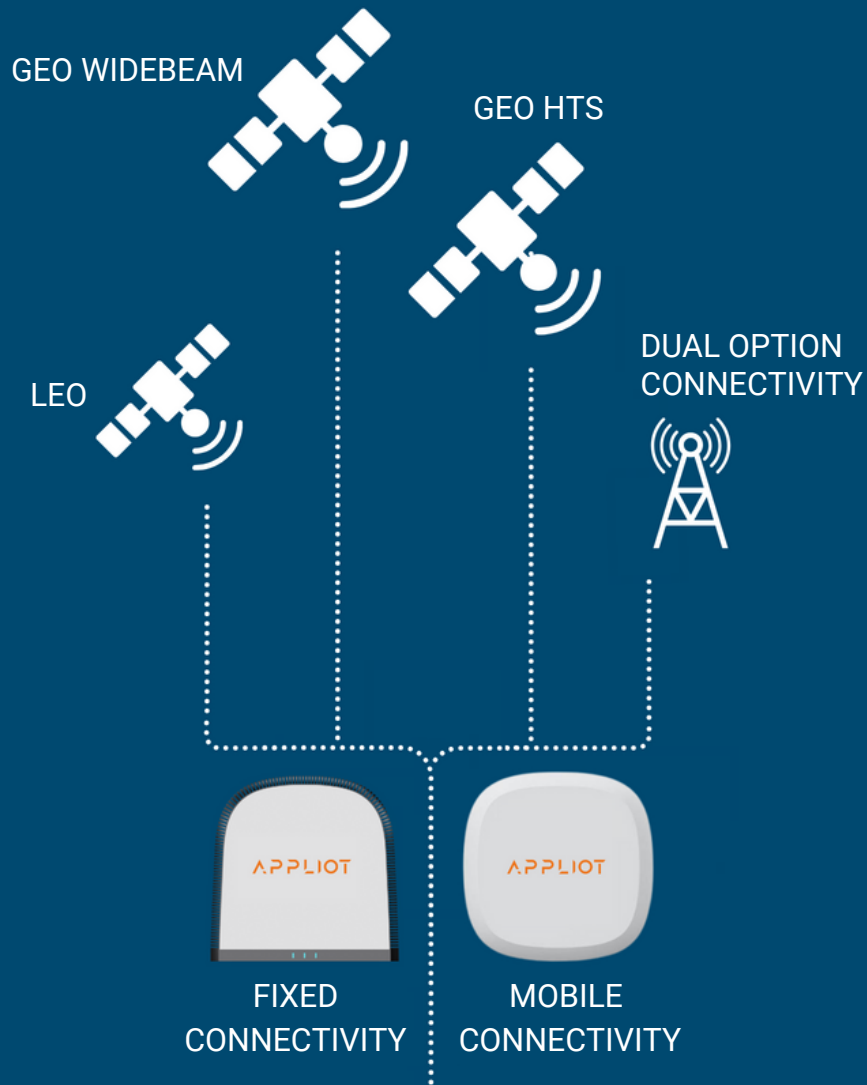Fleet & Logistics   Maritime

Agriculture   O&G
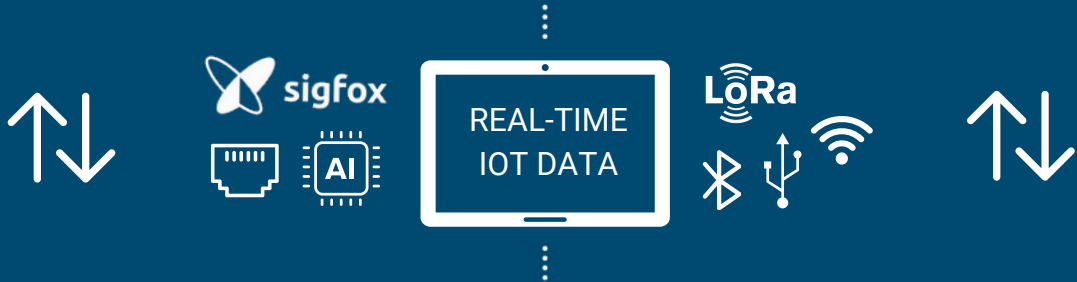
Mining   ATMs/POS

Fisheries   Utilities

GEO WIDEBEAM

GEO HTS

LEO

DUAL OPTION
CONNECTIVITY

APPLIOT

APPLIOT

FIXED
CONNECTIVITY

MOBILE
CONNECTIVITY

The electronically steered phased array flatpanel antenna with built-in modem automatically finds coverage for instant, always-on global connectivity.

sigfox

AI

REAL-TIME
IOT DATA

LoRa

Supports IOT aggregation and direct-to-satellite models.

IOT and network devices exchange data with Appliot.

# A fully scalable end-to-end IOT connectivity solution

Appliot's open architecture enables easy integration of any device or existing network for seamless rural IOT connectivity.

Management Component

Smart routing divided into network management and application data.

Satellite Component
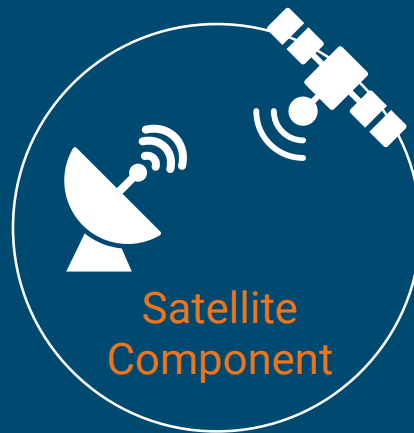
Enabled by GEO widebeam, GEO HTS and LEO satellites.

Dual Option Connectivity
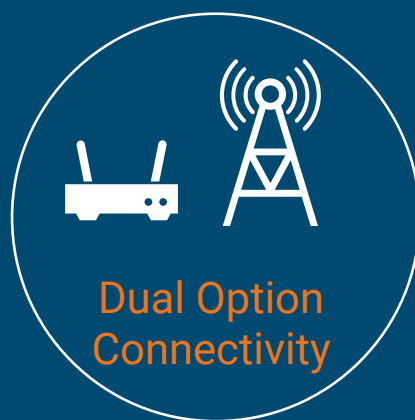
Based on satellite provider, network and end user coverage needs.

User Component
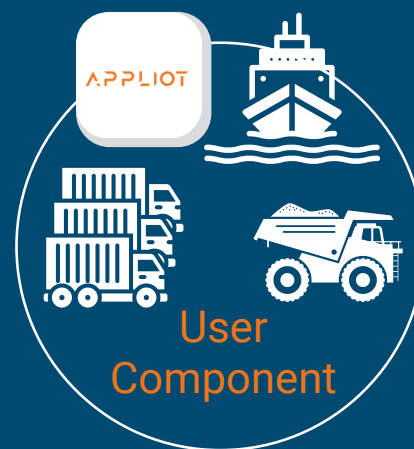
User devices and applications exchange data with Appliot.

APPLIOT

An affordable end-to-end IOT solution with flexible "As-a-Service" models available for quick and easy connectivity anywhere on Earth.

- Ku/Ka
- Enables low and high data rates
- Proprietary antenna with modem design in two size formats
- On the move tracking algorithm
- Multiple user network management via hub base station

MOBILE

- Instant connectivity via GEO widebeam, GEO HTS and LEO satellites
- In two size formats

APPLIOT

26x26x8cm | 32x32x8cm

APPLIOT

22x16x7cm | 28x24x7cm

FIXED

- Supports independent configuration and installation
- Instant connectivity via GEO widebeam and HTS satellites
- Lowered wind sensitivity and maintenance costs
- In two size formats

Mobile Terminal Technical Specifications

ANTENNA	RS1 MOBILE	RS3 MOBILE
Frequency Range	TX: 13.75-14.5GHz	TX: 13.75-14.5GHz
	RX: 10.7-12.75GHz	RX: 10.7-12.75GHz
EIRP	18dBW @ 40° elevation	28dBW @ 40° elevation
G/T	-3dB/K @ 40° elevation	2dB/K @ 40° elevation
Polarization	Electronically controlled	Electronically controlled
Tracking Method	Az: 360° mech. stabilized	Az: 360° mech. stabilized
	El: 0-90° electronic	El: 0-90° electronic
MECHANICAL & ENVIRONMENT		
Dimension (LxWxH)	26x26x8cm	32x32x8cm
Weight	3kg	5kg
Power Input	24 VDC / 220 VAC	24 VDC / 220 VAC
Power Consumption TX & RX	＜35W	＜55W
Protection	IP66	IP66
Operational Temperature	-40°C to 60°C	-40°C to 60°C
INTERFACE		
Network	Ethernet, WiFi	Ethernet, WiFi
User Interface	Mobile application	Mobile application
DATA CAPABILITIES		
Typical on GEO Widebeam	1 - 100Kbps	10Kbps - 1.5Mbps

Fixed Terminal Technical Specifications

ANTENNA	RS1 FIXED	RS3 FIXED
Frequency Range	TX: 13.75-14.5GHz	TX: 13.75-14.5GHz
	RX: 10.7-12.75GHz	RX: 10.7-12.75GHz
EIRP	18dBW	28dBW
G/T	-3dB/K	2dB/K
Polarization	Electronically controlled	Electronically controlled
Tracking Method	Az: 360° manual	Az: 360° manual
	El: 0-90° electronic	El: 0-90° electronic
MECHANICAL & ENVIRONMENT		
Dimension (LxWxH)	22x16x7cm	28x24x7cm
Weight	2.5kg	3.5kg
Power Input	24 VDC / 220 VAC	24 VDC / 220 VAC
Power Consumption TX & RX	＜35W	＜55W
Protection	IP66	IP66
Operational Temperature	-40°C to 60°C	-40°C to 60°C
INTERFACE		
Network	Ethernet, WiFi	Ethernet, WiFi
User Interface	Mobile application	Mobile application
DATA CAPABILITIES		
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