



Gilat at a Glance

Boundless Communications

SATCOM Leaders

With nearly 30 years of experience, and more than 1.5 million products shipped to more than 90 countries on six continents, Gilat Satellite Networks is a leading global provider of end-to-end SATCOM solutions. We specialize in fixed and on-the-move widebeam and HTS (High-Throughput Satellite) communications for commercial and government entities.



End-to-End Solution Provider

Gilat has proven experience delivering complex projects and services worldwide in addition to developing ground-segment equipment. We offer complete integrated solutions which include satellite capacity, managed services, remote network operation, call center support, and field operation. Gilat has extensive expertise in providing a range of end-to-end turnkey solutions to best meet our partners' business needs.

Leveraging our strong partnerships with the leading satellite operators, we're taking advantage of the collaboration occurring throughout the satellite ecosystem. We combine innovative business models with optimized platforms to deliver field-proven solutions. Gilat is particularly active in the following market segments:

- Broadband network connectivity
- In-flight connectivity (IFC) and other mobility applications
- Cellular connectivity
- National telco connectivity
- Emergency backup services
- Enterprise and Government applications

Dominate Your Market

Gilat provides thousands of enterprises, service providers and operators with efficient and reliable satellite-based connectivity solutions.

A Managed Service Leader

Deploying and managing broadband networks – often in challenging conditions and under tight deadlines – requires industry-leading expertise. Gilat continually demonstrates its ability to deliver advanced broadband satellite connectivity with comprehensive solutions and managed network services to customers around the world, no matter how remote.

One Platform. Multiple Markets

Gilat's X-Architecture powers Gilat's distributed VSAT ground segment platform. Using a single platform, it supports both fixed and mobility SATCOM applications over HTS. Our diverse portfolio offers service providers a range of products tailored for specific markets – Broadband,



SkyEdge II-c: High-performance VSAT platform

Enterprise, Cellular, Mobility – from a single SkyEdge II-c VSAT platform. A single network management system, remotely controlled, lets you introduce services, maintain the network, and optimize network resource utilization. In China, for example, Gilat is the de facto HTS provider, partnering with leading satellite communications companies to deliver the first Ka HTS network for fixed and mobility services across China.

Whatever your connectivity need – on-the-move, residential, banking, retail, government, oil and gas, education, or rural communication – we deliver the solution.



On-the-Move Solutions

Our robust and reliable IFC solutions provide the excellent user experience that today's passengers expect, enabling them to maximize business productivity or entertainment for the duration of their journey.

In addition to IFC, Gilat provides leading satellite-on-the-move communication for rail and maritime transportation, government security agencies, emergency response teams, and digital news services.



Our solutions provide broadband networks with either full next-generation terminals or individual components: antennas, solid-state power amplifiers (SSPAs), block upconverters (BUCs), transceivers, and modems.

- **Antennas**

For land, air and sea vehicles requiring reliable connectivity, Gilat offers compact and aerodynamic low-profile antenna systems. These discreet mobile antennas offer always-on two-way broadband for Ku-, Ka-, and X-band on-the-move and on-the-pause communication. Our antennas are an integral part of our satellite-on-the-move terminals, featuring band switching, superior transmission and reception performance, and a unified management system.

Gilat's customers benefit from:

- High credibility and experience
- Local presence and partnerships
- Industry-leading technology and system integration
- Flexibility and customization
- Proven ability to deliver innovative end-to-end solutions

In-flight Connectivity

One way we're bringing connectivity everywhere is with our high-performance in-flight components, which support speeds of 400 Mbps while connecting hundreds of passengers. These components can be easily integrated into any third-party IFC service for aviation customers. Our recent agreement with Gogo reflects the industry's view of Gilat as a leader in providing next-generation IFC networks.



Gilat's dual-band IFC antenna is compatible with any satellite service. This means that no matter where a plane travels, passenger connectivity continues uninterrupted.

An integral part of our in-flight portfolio is the Wavestream family of next-generation, high-output power transceivers. These efficient and field-proven transceivers lead the industry. Our BUCs have been contracted by Honeywell for integration into the Inmarsat Global Xpress (GX) in-flight connectivity network, the first global Ka HTS network of its kind.

- **BUCs**

Wavestream amplifiers, BUCs and transceivers are based on patented Spatial advantEdge™ technology which provides efficient, high-power output in smaller, lighter product packages. They are suitable for fixed, mobile, and flyaway antenna systems.

- **Terminals**

Because Gilat develops its components in-house, its terminals are optimized for maximum efficiency. Gilat's modem has been integrated with RaySat antennas and Wavestream BUCs to provide a fast and reliable low-SWaP (Size, Weight and Power) SATCOM solution for unmanned aircraft. Satellite communications fully exploit tactical Unmanned Aircraft Systems capabilities, supporting intelligence, surveillance and reconnaissance missions beyond line of sight.

Network-Boosting Solutions for Mobile Network Operators

Gilat leads the industry with the fastest TDM/TDMA VSAT, reaching true LTE speeds while overcoming satellite's inherent delay. Satellite-powered cellular backhauling and emergency backup for LTE networks such as SoftBank and EE is provided with terrestrial-quality speeds, but in a fraction of terrestrial's deployment time.

In the cellular market, we're providing innovative solutions to expand cellular networks to unserved areas. CellEdge SDR (Software-Defined Radio), our integrated small cell over satellite solution for 3G and LTE, combines our VSAT know-how with small cell technology to provide a cost-effective solution for cellular network expansion – a good example of how our value-added solutions integrate other technologies and applications with our SkyEdge II-c platform.



CellEdge SDR



SkyEdge II-c Capricorn

Rural Connectivity

Gilat specializes in finding ways to establish connectivity under challenging conditions.



A lack of infrastructure dictates that any solution must be easy to maintain remotely, and run using minimal power. Sometimes equipment must be deployed at sites that are so remote that roads either do not exist or are impassable. On these occasions, creative implementation is required. Gilat has delivered equipment by helicopters, small riverboats, and even donkeys. But the effort is certainly worthwhile. Access to these broadband services, so fundamental in the Western world, helps government agencies provide services to their residents. The ability to reach others and be reached makes a tremendous impact on the villagers' quality of life.

Broadband Solutions for Telcos & Governments

Our connectivity solutions have been implemented on a national scale. Our terrestrial and satellite networks provide Internet and telephony services to thousands of rural communities and schools worldwide, often by overcoming extreme weather conditions, a lack of infrastructure, or inhospitable terrain.

In South America, for example, Gilat has been providing public voice and data services since the late 1990s. For example, Gilat won two deals totaling \$400 million deal to provide telecommunications infrastructure in Peru.



World-Class Service

Gilat's technology powers connectivity solutions around the world. Attuned to the satellite market, Gilat provides solutions and products that further our customers' and partners' competitive advantage.

Our five R&D centers worldwide help us develop a wide range of high-performance, HTS-optimized products such as VSATs, BUCs, antennas, terminals and small cells. With over twenty sales and service offices worldwide, Gilat's strong global footprint facilitates rapid network deployments.

Local support offices and centralized supply facilities ensure prompt, reliable customer training, maintenance and support – anywhere, anytime.

Managed Operational Services

Once a network is up and running, it can be optimized for increased efficiency by continual monitoring, ensuring that agreed-upon service levels are met. Gilat often operates its customers' networks from our state of the art, redundant and secure 24x7 Network Operations Centers in Peru, Colombia, Australia and Moldova, guaranteeing high network availability. Our multi-lingual helpdesks provide technical support assistance to the VSAT installers and end users. We offer customized back office components including Service Management, Network Performance and SLA Dashboard. These components enable efficient capacity allocation, system engineering and implementation.

Sample list of Gilat's extensive and diverse customer and partner base:

Angola Telecom	EE, UK	L3, USA	Russian Post
Avanti, EMEA	Embratel, Brazil	Lockheed Martin, USA	SES SBBS, Europe
Bharti, India	Facebook	Ministry of Education, Russia	SoftBank, Japan
British Telecom, LATAM	Fitel, Peru	NBN, Australia	Space Star, China
China Satcom	Gogo	NordNet, France	Synertone, China
China Unicom	HCL Comnet, India	Optus, Australia	Tatanet, India
Claro, LATAM	Hispasat, Spain	Orange Business Services, France	Telefonica, LATAM
Compratel, Colombia	Honeywell, USA	Petrobras, Brazil	Telstra, Australia
CRRC, China	Inatel, Angola	Portugal Telecom	Thaicom, Thailand
Elektra, Mexico	Intelsat	RTCOMM, Russia	TIM, Brazil

One Network - Multiple Applications



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