

NEWSPACE MARKET · COMPANY PROFILE



SpaceBridge Inc.

Canada · founded 1988 · spacebridge.com

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as of 20 August 2026

SpaceBridge Inc.

SpaceBridge Inc., founded in 1988 as Advantech Wireless, is a Montreal-based satellite communications equipment and managed-services provider with over 30 years of engineering heritage.

SpaceBridge Semiconductor was acquired by Advantech AMT in 2005, and in 2006 Advantech acquired the Satellite Network division of EMS Technologies; the combined business was rebranded SpaceBridge Inc. in November 2018 under CEO David Gelerman.

The company designs, manufactures and sells VSAT hubs, gateways, terminals, SCPC/MCPC modems, transceivers, antennas and RF BUC amplifiers for GEO, MEO, LEO and NGSO networks, ISO 9001-certified and DVB-RCS2 / MIL-STD-188-164C compliant. Key product lines include the ASAT platform with WaveSwitch, the ESTELLA HUB/NMS, and the compact UniHUB VSAT hub. Target verticals are cellular backhaul, industrial IoT/SCADA, satcom-on-the-move, broadcasting, enterprise broadband and defense/government. Notable projects include a 2024 deployment with Telcoven for Chile's Ministry of Defense and a 2025 managed-services partnership with satellite operator ABS covering EMEA. SpaceBridge operates through offices in Canada, the United States, Brazil, Colombia, Hong Kong and Indonesia, plus EMEA and Africa representation.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Design and Engineering Capabilities

SpaceBridge offers strong design and engineering capabilities to deliver impactful and innovative solutions tailored to customer challenges.

Product catalogue



SPACEBRIDGE INC.
98cm Ka/Ku RxTx Class I Antenna System

Compact 98cm dual-band (Ka and Ku) transmit/receive antenna system for economical VSAT deployment.

[price on request](#) [datasheet](#)



SPACEBRIDGE INC.
ASAT II Gateway System

SpaceBridge's all-in-one, multi-service satellite ground gateway platform that unifies consumer VSAT, SOTM, high-capacity trunking, and tactical-defence services under one NMS with

Architecture Topologies	Multi-gateway, multi-satellite / multi-beam support
Forward Link Waveform	DVB-S2/S2X ACM, GSE encapsulation, QPSK up to 256APSK LDPC/BCH, Annex M (Time Slicing) up
Forward Link Channel Rate	Up to 500MHz forward link carriers per cluster
Forward Link Capacity	Up to 2.5Gbps per carrier (5% roll-off)
Forward Link Channel Spacing	5%, 10%, 20%, 25% or 35% roll-off factor
Return Link Technology	3D BoD multi-waveform (MF-TDMA RLE encapsulation + bandwidth-on-demand DVB-S2X SCPC); term
Return Link BW Capacity	Up to 500MHz return link BW capacity per cluster
price on request	



SPACEBRIDGE INC.

C7700 Desktop HTS Broadband VSAT Router

A compact desktop broadband Internet satellite modem optimized for next-generation HTS systems, delivering high speeds with TCP/IP acceleration and QoS.

Transmitter/Receiver Band	Ka or Ku band
Form Factor	Compact desktop appliance
Architecture	System on Chip (SoC) with Software Defined Radio (SDR)
Modulation	QPSK up to 256APSK LDPC/BCH
Standards	DVB-S2/S2X ACM, GSE encapsulation
Network Support	Layer-3/Layer-2
Download Speed	Up to 100 Mbps

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SPACEBRIDGE INC.

ESTELLA HUB

SpaceBridge's open-standards DVB-RCS2 multi-service satellite hub platform for TDM/TDMA networks.

Standard	DVB-RCS2 (open standard, published by ETSI)
Network Type	TDM/TDMA
Switching	WaveSwitch (seamless switching)
Platform Type	Multi-Service HUB Solution

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SPACEBRIDGE INC.

MCR4 High Performance SCPC Receiver

The MCR4 High Performance SCPC Receiver offers HUB side support for SpaceBridge ESTELLA WaveSwitch™ service, accommodating up to 4 simultaneous connections per unit.

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SPACEBRIDGE INC.

MCR8 High Performance SCPC Receiver

The MCR8 High Performance SCPC Receiver provides HUB side support for SpaceBridge ESTELLA WaveSwitch™ service, supporting up to 8 simultaneous connections per unit.

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SPACEBRIDGE INC.

MOD1250 DVB-S2X Wideband Modulator

The MOD1250 is a DVB-S2X high-performance Software Defined Radio (SDR) modulator designed for High Throughput Satellites (HTS) VSAT networks, enabling connectivity through very high

Symbol rate	1.5 Msps to 500 Msps
Modulations	up to 256APSK
Roll-off factor	as small as 5%

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SPACEBRIDGE INC.

SBAF120UL3 1.2m Lower Ku-Band Tx/Rx SFL Class I Antenna System

Rugged, commercial-grade 1.2m lower Ku-band Tx/Rx antenna system for the most demanding applications.

[price on request](#) [datasheet](#)



SPACEBRIDGE INC.

SBFM120 1.2m Manual Pointing Flyaway

A 1.2m manually-pointed flyaway satellite antenna terminal for rapid, rugged deployment in mission-critical X, Ku (App30B-15), Kx, and Ka-band applications.

[price on request](#) [datasheet](#)



SPACEBRIDGE INC.

SBM-90X Wideband GEO SCPC Professional Modem

The SBM-90X is a telco-grade, 19-inch rack-mountable modem offering high-throughput for demanding satellite communication applications, supporting Software Defined Networks and DVB

Aggregate throughput	Up to 1.47 Gbps (Symmetric 723Mbps)
Packet per second symmetric	Over 1 million (2M pps total)
Symbol rates	Up to 125 Msymbols/second

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SPACEBRIDGE INC.
SBMP090 0.9m Manpack

A 0.9m man-portable satellite antenna terminal built for challenging, mission-critical X, Ku (App30B-15), Kx, and Ka-band applications.

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SPACEBRIDGE INC.
SBTR003UL 3W Lower Ku-band Transceiver

A 3W lower Ku-band VSAT transceiver providing a complete outdoor unit solution in a single box for demanding commercial satellite communications applications.

Polarization	Linear orthogonal
Cross pol isolation	>30dB
Tx/Rx isolation in Rx band	>80dB
Tx/Rx isolation in Tx band	>30dB
Feed adaptation for antenna F/D	0.65

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SPACEBRIDGE INC.
SBTR6030 OEM 3W Ku-Band VSAT Transceiver

A compact 3W extended Ku-band VSAT transceiver with integrated BUC, LNB, and OMT featuring fixed cross-polar TX/RX.

BUC Frequency Range (Extended Ku)	13.75-14.5 GHz
BUC Frequency Range (Standard Ku variant)	14.00-14.50 GHz
LNB Frequency Range	10.70-12.75 GHz
Output Power	3W
Polarization	Fixed cross-polar TX/RX
Enclosure Rating	IP67
Compliance	CE/RED, RoHS-2, EN 301428, FCC 47 CFR 15/25

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SPACEBRIDGE INC.
U7400 VSAT Router for Professional Mobility/Trunking

A telecom-grade, rack-mountable VSAT satellite router/modem from SpaceBridge built for professional and mobility applications, supporting both hub-less point-to-point links and lar

Form Factor	Rack mountable (1RU), indoor
Installation Options	Matching outdoor/RF options: C-band, X-band, Ku-band, Ka-band
Forward Link Technology	DVB TDM Forward Link, up to 500MHz channel rate
Forward Link Waveform	DVB-S2/S2X ACM, GSE encapsulation, QPSK up to 256APSK LDPC/BCH
Forward Link Channel Spacing	5%, 10%, 20%, 25% or 35% roll-off factor
Return Link Technology	3D BoD multi-waveform: MF-TDMA CF-DAMA plus point-to-point/hub-spoke DVB-S2X SCPC with Wav
MF-TDMA Channel Rate	64Ksps up to 8192Ksps

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SPACEBRIDGE INC.
U7400-M Satellite Mesh Modem (ASAT™ System Mesh Satellite Modem)

Telecommunication-grade VSAT satellite modem for professional mesh applications with a built-in mesh receiver for direct one-hop communications.

Form Factor	Rack mountable (1RU), indoor
Installation Options	Matching outdoor/RF options: C-band, X-band, Ku-band, Ka-band
Forward Link Technology	DVB TDM Forward Link, up to 500MHz channel rate
Forward Link Waveform	DVB-S2/S2X ACM, GSE encapsulation, QPSK up to 256APSK LDPC/BCH
Forward Link Channel Spacing	5%, 10%, 20%, 25% or 35% roll-off factor
Return Link Technology	Mesh overlay (single-hop mesh) plus MF-TDMA CF-DAMA; built-in ULPC and network-wide Power
Star/Mesh MF-TDMA Channel Rate	64Ksps up to 8192Ksps

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SPACEBRIDGE INC.
U7720 – High-Performance Networking Satellite Modem/Router

Entry-level rackmount (and IP67 ODU) satellite modem/router delivering high-performance L2/L3 multiservice IP networking for SMB, maritime/mobility, and cellular backhaul applicati

Download Speed	100 Mbps
Upload Speed	15 Mbps
Forward Link	DVB-S2X
Return Channels	DVB-RCS2 (QPSK, 16QAM)
Rolloff Rate	Up to 5%
Encryption	IPSec mode 256AES (optional)
RF/BUC Power (U7720-60)	<40W

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SPACEBRIDGE INC.

U7780 – ESTELLA System Professional MF-TDMA Satellite Modem

Advanced rackmount enterprise and cellular backhaul satellite modem offering high-performance CBH traffic optimization for service providers and MNOs.

Form Factor	Rack-mount
Ethernet Ports	2 GbE ports
Forward Link	DVB-S2X
Return Link	MF-TDMA
Maximum Download	Up to 100Mbps
Maximum Upload	12.5Mbps
Packet Processing	50K PPS

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SPACEBRIDGE INC.

U7790 – High-Performance Satellite MESH Modem

Professional satellite MESH modem supporting DVB-S2X/DVB-RCS2 with direct remote-to-remote connectivity, bypassing the ESTELLA Core HUB for MESH and Star-in-Star networks.

Forward Link	DVB-S2X
Return Link	DVB-RCS2 (EN 301 545-2-V1.2.1)
IP Throughput	100 Mbps from HUB or pool of 16 MESH carriers
Uplink/MESH Capability	Up to 25 Mbps per carrier
Modulation Support (Star)	SS-BPSK to 64QAM
Modulation Support (MESH)	SS-BPSK to 16QAM

[price on request](#)

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SPACEBRIDGE INC.

U7900 – High-Performance Networking Satellite Modem/Router

Professional satellite modem/router for hybrid GEO/MEO/LEO operation, integrating with the ESTELLA VSAT platform for high-throughput HTS connectivity.

Forward Link	5000MHz DVB-S2X with highly granular MODCODs and low roll-off rates
Return Link	DVB-RCS2 TDMA supporting QPSK-16 QAM with up to 5% roll-offs
Dynamic Switching	WaveSwitch™ error-free switching every 26.5ms between 3D-TDMA and dSCPC
Optimization	Performance Enhancement Proxy, QoS, Layer-2/3 traffic optimization
Cellular Support	2G, 3G, 4G, LTE/5G backhaul and enterprise optimization
Downstream Throughput	Up to 700 Mbps
Upstream Throughput	Up to 50 Mbps

[price on request](#)

[datasheet](#)



SPACEBRIDGE INC.

U7920 – High-Performance Networking Satellite Modem/Router

Professional satellite modem/router for hybrid GEO/MEO/LEO operation, integrating with the ESTELLA VSAT platform, delivering up to 300 Mbps forward-link throughput.

Forward Link	500MHz DVB-S2X
Forward Link Throughput	Up to 300 Mbps
Return Link Throughput	Up to 20 Mbps
Return Link Standard	EN 301 545-2 V1.2.1 compliant DVB-RCS2
Modulation Support	QPSK to 16QAM
Roll off/Spacing	Up to 5%
Switching Interval	26.5 msec (hitless)

[price on request](#)

[datasheet](#)



SPACEBRIDGE INC.

UniHUB

UniHUB is a complete satellite hub in only 3RU, built with the tagline 'Maximum Capability, Minimal Footprint.' It integrates modem, gateway, scheduling, modulation, an

Form Factor	3RU (complete satellite hub)
Integrated Functions	Modem, gateway, scheduling, modulation, control
Portability	Transportable in a ruggedized suitcase

price on request



SPACEBRIDGE INC.

XRF-33F/XRF-34F High-Value Ka-Band VSAT Transceiver

A Ka-band VSAT transceiver supporting the latest S-Band modem technologies with 50 MHz reference compatibility, available in 3W and 4W transmit power options.

Transmit Power	3W (XRF-33F) or 4W (XRF-34F)
LNB Reference Options	PLL (+/-25 ppm) or DR0 (+/-4 MHz)
Reference Frequency	50 MHz (10 MHz option available)
Enclosure Rating	IP-67 weatherproof
Polarizer	Field-configurable circular polarizer

price on request

[datasheet](#)

Contact SpaceBridge Inc.

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/spacebridge-formerly-advantech-wireless/>

<https://www.spacebridge.com>

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