

NEWSPACE MARKET · COMPANY PROFILE

CELESTIA | 

TTI Norte

Spain · founded 1996 · celestia-tti.com

40

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WITH DATASHEETS

newspacemarket.com/companies/tti-norte/

as of 20 August 2026



TTI Norte

Celestia TTI (formerly TTI Norte) is a Spanish satellite ground systems company founded in 1996 in Santander, Cantabria, and now operating as a subsidiary of the Celestia Technologies Group, an international satellite ground segment conglomerate. With more than 25 years of experience and around 100 staff, the company holds ISO 9001:2015 and AS/EN 9100:2018 certifications. The company designs and manufactures RF electronics and antenna systems for satellite ground stations and spaceborne platforms, including Solid-State Power Amplifiers (SSPAs), Block Upconverters (BUCs), Low-Noise Amplifiers (LNAs) and LNBs, cryogenic amplifiers for radio astronomy, phased array and flat-panel antennas, passive RF components (feeders, orthomode transducers, polarisers) and frequency converters. Celestia TTI's products have been supplied to major European satellite programs including SpainSat NG I (UHF amplifiers, launched 2025), the ESA ESTRACK deep space antenna network (X/K-band cryogenic receiver upgrade, five-year contract from 2020), and the ESA Galileo navigation satellite program (phased array uplink station antenna, 2021). The company also supplies electronically-steered, no-moving-parts multi-beam antennas (MEGA) for MEOLUT Galileo Search & Rescue ground stations, and equipment for EU Space Surveillance and Tracking (SST) debris monitoring installations. The facility in Santander operates a 4,000 square metre manufacturing and test centre with ISO 7 cleanroom capability, serving broadcast, aerospace, radio astronomy/deep space, particle accelerator, and government/defence markets.

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

Consulting Engineering Services

TTI Norte provides expert consulting engineering services in RF, antennas, power electronics, microelectronics, systems engineering, integration, and testing.

Customized Feeders & Antenna Systems Design, Manufacturing, Characterization and Commissioning

TTI Norte handles the entire process for customized feeders and antenna systems, from detailed specification to final commissioning.

RF & Antenna Solutions Design, Development, Manufacturing, Test and Validation

TTI Norte designs, develops, manufactures, tests, and validates customized active RF systems and subsystems based on customer requirements.

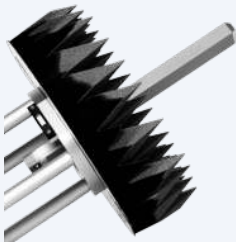
Satellite Signal Test System and Services

TTI Norte offers full turnkey test solutions and associated services for satellite in-orbit testing, from analysis to script writing.

Turnkey Ground Station Solutions

TTI Norte delivers complete, tailored ground station solutions, including design, development, integration, and testing.

Product catalogue



TTI NORTE

Antenna Feeder System

A range of antenna feeders including horns, probes, and dipole arrays, designed for low back radiation and low cross-polarization, covering frequencies from UHF to millimeter bands

POLARIZATION	Linear single
DESCRIPTION	Linear-polarized horn antennas
FREQUENCY	0.55 – 170 GHz
POLARIZATION	Linear dual
DESCRIPTION	Dual-linear polarized horn antennas
FREQUENCY	0.55 – 75 GHz
POLARIZATION	Circular dual

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



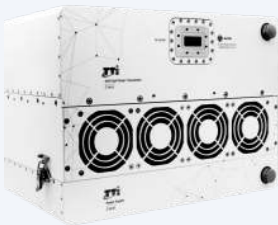
TTI NORTE

Antenna Polarisers

High-performance waveguide polarisers for transmission and reception in Ku-band ground station antenna feed systems, with custom bands available.

Transmission polariser	Ku-band
Reception polariser	Ku-band

[price on request](#)



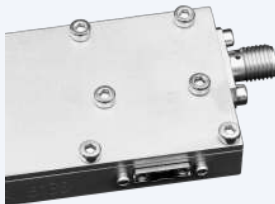
TTI NORTE

C band SSPAs & BUCs

A new generation of GaN-based Solid State Power Amplifiers (SSPAs) and Block Upconverters (BUCs) for C-band satellite communication, offering outstanding performance for outdoor or

TYPE	C band outdoor SSPA/BUC
TECHNOLOGY	GaN
Psat	800 W
FREQUENCY	5.850–6.425 GHz
TYPE	Phase combined system
TECHNOLOGY	GaN
Psat	4.8 kW

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



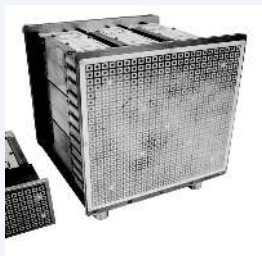
TTI NORTE

Cryogenic LNA portfolio

A portfolio of cryogenic Low Noise Amplifiers (LNAs) offering outstanding performance for radioastronomy and quantum computing applications.

TYPE	W band Cryo LNA
FREQUENCY	72–116 GHz
NOISE TEMP.	31 K (avg)
TYPE	Q band Cryo LNA
FREQUENCY	31–50 GHz
NOISE TEMP.	14 K (avg)
TYPE	K-Ka band Cryo LNA

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



TTI NORTE

CW LDMOS UHF SSPA 500W Indoor

An indoor 500W CW LDMOS UHF Solid State Power Amplifier, liquid cooled and designed for continuous and pulsed wave operation.

Input voltage	400 V AC $\pm 10\%$, 50/60 Hz, 3P + N + E
Wall plug efficiency @ PSAT	>50%
Power consumption @ PSAT	<2500 W
Dimensions (W x H x D)	483 x 176 x 557 mm
Weight	25 kg
RF input	N-type (f), 50 Ω
RF output	7/16"-type (f), 50 Ω

price on request



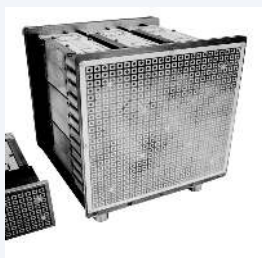
TTI NORTE

CW/PW LDMOS UHF SSPA 1.25kW Indoor

An indoor 1.25kW CW/PW LDMOS UHF Solid State Power Amplifier designed for continuous and pulsed wave operation.

Input voltage	AC 100-264 VAC 50/60 Hz
Power consumption @ PSAT	<1200 W
Dimensions (W x H x D)	483 x 88 x 322 mm
Weight	11 kg
RF input	N-type (f), 50 Ω
RF output	N-type (f), 50 Ω
RF sample	SMA-type (f), 50 Ω

price on request



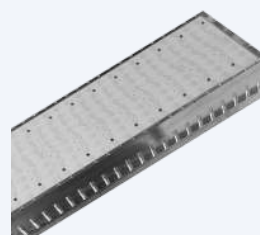
TTI NORTE

Dual GaN Ka SSPA/BUC 40W Outdoor

An outdoor 40W Dual GaN Ka-band SSPA/BUC for commercial, government, and defense SATCOM applications, offering high efficiency and reliability.

Output power (PSAT (typical))	46 dBm @ 29-30 GHz / 45 dBm @ 30-31 GHz
Linear output power (PLINEAR*)	43 dBm @ 29-30 GHz / 42 dBm @ 30-31 GHz
Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	350 W
Dimensions (L x W x H)	340 x 210 x 170 mm
Weight	<15 kg
Operating temperature	-30 °C to +55 °C

price on request



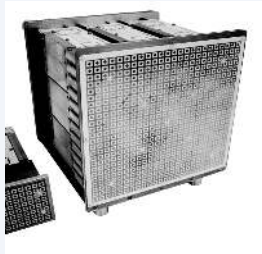
TTI NORTE

Flat Antenna Panels

Low-profile flat panel antenna apertures for SATCOM ground and airborne terminals, offering lightweight, high-efficiency solutions across X, Ku, and Ka bands.

Frequency bands	X, Ku, Ka
Applications	Manpacks, Satcom on the Move, Satcom on the Pause, Airborne Satcom on the Move
Market segments	Commercial and military
Additional supplied elements	Transceivers, BUCs, LNBs, polarisers

price on request



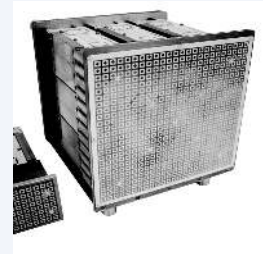
TTI NORTE

GaN C SSPA/BUC 800W 1:1 REDUNDANCY SYSTEM – Outdoor

An outdoor 1:1 redundancy system for C-band satellite communication, featuring 800W GaN SSPA/BUC transmitters.

Configuration	1:1 Redundancy System
Transmitter Type	GaN C SSPA/BUC
Power Output	800W
Installation Environment	Outdoor
Controller Sub-rack Height	2U
Controller Sub-rack Size	19"

price on request



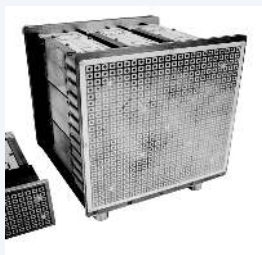
TTI NORTE

GaN C SSPA/BUC 800W 1:1 Redundancy System Indoor

A 1:1 redundancy system for C-band satellite communication, featuring two 800W GaN SSPA/BUC units for enhanced reliability and continuous operation.

System Configuration	1:1 Redundancy
GaN high power transmitter	GaN SSPA/BUC C 800 W (Qty 2)
WG switch	(system output port at WG switch)
Redundancy system controller	Standard controller (indoor)
Sub rack	2U-high 19" sub rack (indoor)
Cabling	AC cables (1.5 m long) (qty 2), System cabling (AC cables (SSPAs/BUCs) (qty 2), M&C cables
Dimensions	19" Rack 42 U (H) x 1 m (D)

price on request



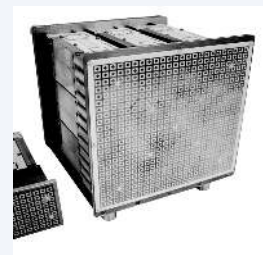
TTI NORTE

GaN C SSPA/BUC 800W 2:1 REDUNDANCY SYSTEM – Outdoor

An outdoor 2:1 redundancy system for C-band satellite communication, featuring 800W GaN SSPA/BUC transmitters.

Configuration	2:1 Redundancy System
Transmitter Type	GaN C SSPA/BUC
Power Output	800W
Installation Environment	Outdoor
Controller Sub-rack Height	2U
Controller Sub-rack Size	19"

price on request



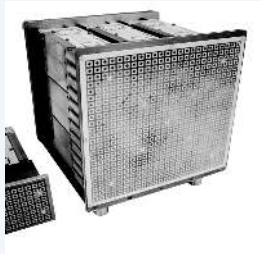
TTI NORTE

GaN C SSPA/BUC 800W 2:1 Redundancy System Indoor

A 2:1 redundancy system for C-band satellite communication, featuring three 800W GaN SSPA/BUC units for enhanced reliability and continuous operation.

System Configuration	2:1 Redundancy
GaN high power transmitter	GaN SSPA/BUC C 800 W (Qty 3)
Dual WG switches	(Qty 2)
Redundancy system controller	Standard controller (indoor)
Sub rack	2U-high 19" sub rack (indoor)
Cabling	AC cables (1.5 m long) (qty 2), RF cabling (Coaxial SMA-SMA/SMA-N cables from switches to
Dimensions	19" Rack 42 U (H) x 1 m (D)

price on request



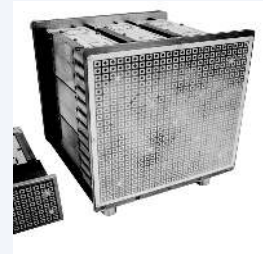
TTI NORTE

GaN C SSPA/BUC 800W Indoor

An 800W GaN C-band Solid State Power Amplifier/Block Upconverter (SSPA/BUC) designed for indoor use, offering high power output and various control modes.

Input frequency range (BUC)	950-1525 MHz
Operating frequency range	5.85 - 6.425 GHz
LO	4.9 GHz
Output power (PSAT (typical))	59 dBm
Linear output power (PLINEAR*)	58 dBm
Gain	>70 dB
Gain flatness	3 dB p-p max over full band; 1 dB p-p max over any 40 MHz

price on request



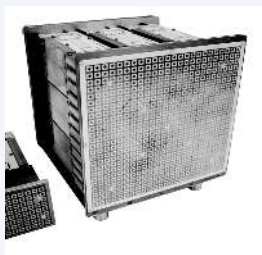
TTI NORTE

GaN C SSPA/BUC 800W Outdoor

An 800W outdoor GaN C-band SSPA/BUC for satellite communication, offering high power output and robust environmental performance.

Transmitter Type	GaN C SSPA/BUC
Power Output	800W
Installation Environment	Outdoor
Input Voltage	90-264 VAC, 50-60 Hz
Power Consumption @ PSAT	3000 W
Dimensions (L x W x H)	442 x 424 x 302 mm
Weight	45 Kg

price on request



TTI NORTE

GaN C SSPA/BUC 800W STANDALONE - Indoor

An indoor 800W GaN C-band SSPA/BUC, offering high power output, automatic control modes, and various monitoring and control interfaces.

Output Power (PSAT (typical))	800 W (59 dBm)
Linear Output Power (PLINEAR*)	58 dBm
Input Voltage	90-264 VAC, 50-60 Hz
Power Consumption @ PSAT	<3000 W
Input Frequency Range (BUC)	950-1525 MHz
Operating Frequency Range	5.85 - 6.425 GHz
LO Frequency	4.9 GHz

price on request



TTI NORTE

GaN DBS SSPA/BUC 200W Outdoor

A 200W GaN-based Solid State Power Amplifier/Block Upconverter designed for outdoor broadcast SATCOM applications, offering high efficiency and linear power.

Input frequency range (BUC)	950-2050 MHz
Operating frequency range	17.3-18.4 GHz
Output power (PSAT (typical))	200 W / 53 dBm
Linear output power (P LINEAR*)	200 W / 52 dBm
Gain	>75 dB
Gain flatness	4 dB p-p max over full band; 1 dB p-p max over any 40 MHz
Gain variation over temperature	±1.5 dB over full operating range

price on request



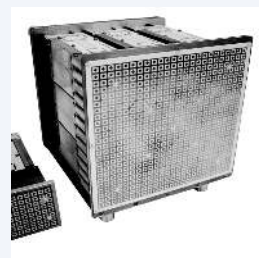
TTI NORTE

GaN DBS SSPA/BUC 200W/300W/550W Indoor

An indoor GaN DBS SSPA/BUC available in 200W, 300W, or 550W output power, featuring a hot-swappable redundant power supply and comprehensive monitoring capabilities.

Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT 300 W	<1700W
Power consumption @ PSAT 550 W	2700W
Dimensions (W x H x D)	483 x 266 x 560 mm
Weight	48 Kg
Operating temperature	0 °C to +50 °C
Storage temperature	-40 °C to +85 °C

price on request



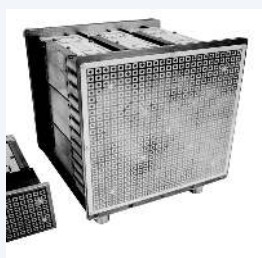
TTI NORTE

GaN DBS SSPA/BUC 300W Outdoor

A 300W GaN-based Solid State Power Amplifier/Block Upconverter designed for outdoor broadcast SATCOM applications, offering high efficiency and linear power.

Input frequency range (BUC)	950-2050 MHz
Operating frequency range	17.3-18.4 GHz
Output power (PSAT (typical))	300 W / 54.8 dBm
Linear output power (P LINEAR*)	300 W / 53.8 dBm
Gain	>75 dB
Gain flatness	4 dB p-p max over full band; 1 dB p-p max over any 40 MHz
Gain variation over temperature	±1.5 dB over full operating range

price on request



TTI NORTE

GaN DBS SSPA/BUC 550W Outdoor

A 550W GaN-based Solid State Power Amplifier/Block Upconverter designed for outdoor broadcast SATCOM applications, offering high efficiency and linear power.

Input frequency range (BUC)	950-2050 MHz
Operating frequency range	17.3-18.4 GHz
Output power (PSAT (typical))	550 W / 57.4 dBm
Linear output power (P LINEAR*)	550 W / 56.4 dBm
Gain	>75 dB
Gain flatness	4 dB p-p max over full band; 1 dB p-p max over any 40 MHz
Gain variation over temperature	±1.5 dB over full operating range

price on request



TTI NORTE

GaN Ku SSPA/BUC 150W/325W/600W 1:1 REDUNDANCY SYSTEM – Indoor

An indoor 1:1 redundancy system for Ku-band satellite communication, featuring GaN SSPA/BUC transmitters with selectable power outputs of 150W, 325W, or 600W.

Configuration	1:1 Redundancy System
Transmitter Type	GaN Ku SSPA/BUC
Power Output	150W/325W/600W
Installation Environment	Indoor
Controller Sub-rack Height	2U
Controller Sub-rack Size	19"
System Rack Dimensions	19" Rack 42 U (H) x 1 m (D)

price on request



TTI NORTE

GaN Ku SSPA/BUC 150W/325W/600W 2:1 REDUNDANCY SYSTEM – Indoor

An indoor 2:1 redundancy system for Ku-band satellite communication, featuring GaN SSPA/BUC transmitters with selectable power outputs of 150W, 325W, or 600W.

Configuration	2:1 Redundancy System
Transmitter Type	GaN Ku SSPA/BUC
Power Output	150W/325W/600W
Installation Environment	Indoor
Controller Sub-rack Height	2U
Controller Sub-rack Size	19"
System Rack Dimensions	19" Rack 42 U (H) x 1 m (D)

price on request



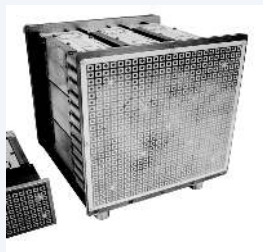
TTI NORTE

GaN Ku SSPA/BUC 150W/325W/600W STANDALONE – Indoor

An indoor standalone GaN Ku-band Solid State Power Amplifier/Block Upconverter (SSPA/BUC) available in 150W, 325W, and 600W output power configurations.

Input frequency range (BUC)	(1) 950-1700 MHz (2) 950-1450 MHz
Operating frequency range	(1) 13.75-14.50 GHz, L0 12.80 GHz (2) 12.75-13.25 GHz, L0 11.80 GHz
Output power (PSAT (typical))	150 W / 325 W / 600 W
Linear output power (PLINEAR*)	150 W / 325 W / 600 W
Gain	>65 dB (SSPA); >70 dB (BUC)
Gain flatness	3 dB p-p max over full band; 1 dB p-p max over any 40 MHz
Gain variation over temperature	± 1 dB over full operating range

price on request



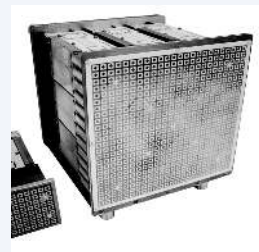
TTI NORTE

GaN Ku SSPA/BUC 325W Outdoor

An outdoor Gallium Nitride (GaN) Ku-band Solid State Power Amplifier/Block Upconverter (SSPA/BUC) with 325W output power, suitable for SATCOM broadcast applications.

Output power (PSAT (typical))	325 W (55 dBm)
Linear output power (PLINEAR*)	325 W (54 dBm)
Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	1400 W
Dimensions (L x W x H)	550 x 360 x 289 mm
Weight	68.5 Kg
Operating temperature	-30 °C to +55 °C

price on request



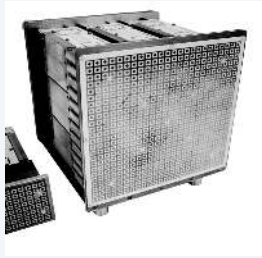
TTI NORTE

GaN Ku SSPA/BUC 600W Outdoor

An outdoor Gallium Nitride (GaN) Ku-band Solid State Power Amplifier/Block Upconverter (SSPA/BUC) with 600W output power, ideal for SATCOM broadcast applications.

Output power (PSAT (typical))	600 W (57.8 dBm)
Linear output power (PLINEAR*)	600 W (56.8 dBm)
Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	2600 W
Dimensions (L x W x H)	550 x 360 x 289 mm
Weight	68.5 Kg
Operating temperature	-30 °C to +55 °C

price on request



TTI NORTE

GaN X SSPA 300W Indoor

An indoor 300W GaN X-band SSPA for commercial, government, and defense SATCOM, featuring high power, efficiency, and robust performance.

Output power (PSAT (typical))	55 dBm
Output power (PLINEAR (typical))	52 dBm
Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	800 W
Dimensions (W x H x D) - RF unit (air cooling)	483 x 266 x 560 mm - 6RU panel height
Dimensions (W x H x D) - (water cooling)	343 x 120 x 508 mm - 343 x 120 x 684 mm with pipes
Weight	<23 kg

[price on request](#)



TTI NORTE

HIGH POWER GaN C SSPA 1.5kW PHASED COMBINED - Outdoor/Indoor

A high-power GaN C-band SSPA with 1.5 kW output, available in outdoor or indoor configurations, featuring automatic control modes and various interfaces.

Output Power (PSAT (typical))	1.5 kW (61.2 dBm)
Linear Output Power (PLINEAR*)	1.5 kW (60.8 dBm)
Input Voltage	90-264 VAC, 50-60 Hz
Power Consumption @ PSAT	<5 kW
Operating Frequency Range	5.85 - 6.425 GHz
Gain	>70 dB
Gain Flatness	<3 dB p-p over full band; <1 dB p-p over any 40 MHz

[price on request](#)

[datasheet](#)



TTI NORTE

HIGH POWER GaN C SSPA 2.7kW PHASED COMBINED - Outdoor/Indoor

A high-power GaN C-band SSPA with 2.7 kW output, available in outdoor or indoor configurations, featuring automatic control modes and various interfaces.

Output Power (PSAT (typical))	2.7 kW (64.3 dBm)
Linear Output Power (PLINEAR*)	2.7 kW (63.3 dBm)
Input Voltage	90-264 VAC, 50-60 Hz
Power Consumption @ PSAT	<10 kW
Operating Frequency Range	5.85 - 6.425 GHz
Gain	>70 dB
Gain Flatness	<3 dB p-p over full band; <1 dB p-p over any 40 MHz

[price on request](#)

[datasheet](#)



TTI NORTE

HIGH POWER GaN C SSPA 4.8kW PHASED COMBINED - Outdoor/Indoor

A high-power GaN C-band SSPA with 4.8 kW output, available in outdoor or indoor configurations, featuring automatic control modes and various interfaces.

Output Power (PSAT (typical))	4.8 kW (66.8 dBm)
Linear Output Power (PLINEAR*)	4.8 kW (65.8 dBm)
Input Voltage	90-264 VAC, 50-60 Hz
Power Consumption @ PSAT	<20 kW
Operating Frequency Range	5.85 - 6.425 GHz
Gain	>70 dB
Gain Flatness	<3 dB p-p over full band; <1 dB p-p over any 40 MHz

[price on request](#)

[datasheet](#)



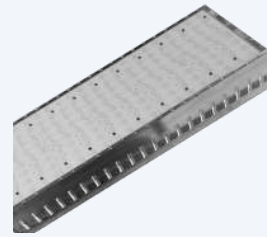
TTI NORTE

HIGH POWER GaN DBS SSPA 1kW/2kW/3.5kW Outdoor/Indoor

A high-power GaN DBS SSPA available in 1kW, 2kW, or 3.5kW output power, suitable for both outdoor and indoor installations, with a wide operating frequency range.

Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT 1 kW	<5 kW
Power consumption @ PSAT 2 kW	<10 kW
Power consumption @ PSAT 3.5 kW	<20 kW
Dimensions (L x W x H) Outdoor 1 kW / 2 kW	1370 x 1070 x 1000 mm
Dimensions (L x W x H) Outdoor 3.5 kW	1370 x 2000 x 1000 mm
Indoor Rack cabinet	44 U (H), 1 m (D)

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



TTI NORTE

MEGA Multi-Beam Electronic Antenna (MEOLUT Phased Array)

Electronically-steered, no-moving-parts L-band phased array antenna for simultaneous multi-satellite Galileo/GLONASS/GPS Search & Rescue (MEOLUT) tracking.

Frequency band	L-band
Antenna type	Planar phased array, no moving parts
Simultaneous signals	Up to 6
Compatible constellations	Galileo, GLONASS, GPS
Beam steering	Electronic, instantaneous
Maintenance	Self-calibrating, graceful degradation on element failure
Dish replacement ratio	Replaces up to 4 traditional MEOLUT dishes

[price on request](#)



TTI NORTE

Orthomode Transducers (OMTs)

Waveguide orthomode transducers separating dual-polarized transmit/receive signals in ground station antenna feed chains, from very low frequency up to V-band.

OMT Full-Band Q/U/V	Q/U/V band
OMT Full-Band K/Ka	K/Ka band
OMT Full-Band	up to 18 GHz

[price on request](#)



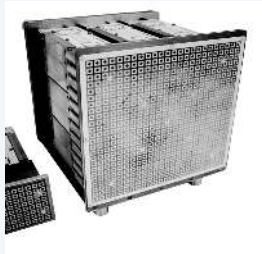
TTI NORTE

Outdoor Frequency Converter (UPC-Ext)

The UPC-Ext is an independent outdoor up-converter module available in various versions for Ku or DBS bands, designed for installation close to GaN SSPA units.

TYPE	Q band Down converter, dual channel
INPUT FREQ.	39.3 – 39.8 GHz
OUTPUT FREQ.	950 – 1450 MHz
TYPE	DBS band Up-converter
INPUT FREQ.	950 – 2050 MHz
OUTPUT FREQ.	17.3 – 18.4 GHz
TYPE	Ku band Up-converter

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



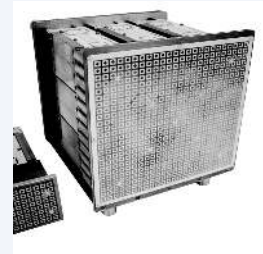
TTI NORTE

PW LDMOS S SSPA 350W Indoor

An indoor Pulsed Wave LDMOS SSPA with 350W output power, designed for industrial, scientific, and medical applications, featuring air cooling and standard 19" rack mounting.

Input voltage	AC 100-264 VAC 50/60 Hz
Power consumption @ PSAT	<1200 W
Dimensions (W x H x D)	483 x 88 x 322 mm / 19" Standard, 2U height
Weight	11 kg
Operating temperature	10 °C to 40 °C
Storage temperature	-40 °C to +85 °C
Humidity	90 % non-condensing

price on request



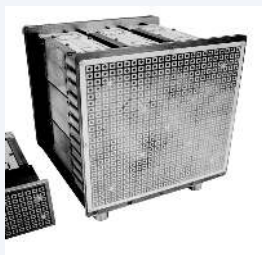
TTI NORTE

Q BUC 25W Outdoor

A 25W Q-band Block Upconverter (BUC) designed for outdoor use, providing high gain and robust performance for satellite communications.

Input voltage	264 VAC, 50-60 Hz
Power consumption @ PSAT	495 W
Dimensions (L x W x H)	340 x 210 x 170 mm
Weight	12.3 kg
Input (L-band + external reference)	N-type (f)
Output	WR22 UG-383/U or UG599/U
AC Line	3-pin MIL circular

price on request



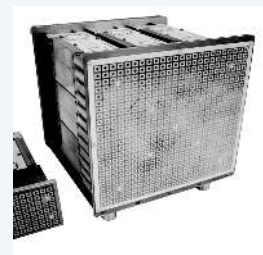
TTI NORTE

Q SSPA 25W Outdoor

A 25W Q-band Solid State Power Amplifier (SSPA) designed for outdoor use in Satcom and load pull applications, featuring high efficiency and robust performance.

Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	495 W
Dimensions (L x W x H)	340 x 210 x 170 mm
Weight	12.6 kg
Input	WR22 (UG599/U or UG-383/U)
Output	WR22 (UG599/U or UG-383/U)
AC Line	3-pin MIL circular

price on request



TTI NORTE

Q SSPA/BUC

A new generation of Q-band Solid State Power Amplifiers (SSPAs) and Block Upconverters (BUCs) designed for Satcom and load pull applications, offering outstanding performance in ou

Input voltage	90-264 VAC, 50-60 Hz
Power consumption @ PSAT	800 W
Dimensions (W x H x D) - RF unit (air cooling)	483 x 266 x 560 mm - 6RU panel height
Dimensions (W x H x D) - (water cooling)	343 x 120 x 508 mm - 343 x 120 x 684 mm with pipes
Weight	<23 kg
RF Input	N (f)
RF Output	WR112 (CPR-112)

price on request



TTI NORTE

Remote Control Unit M&C GaN SSPA/BUC/UC Systems Indoor

An indoor Remote Control Unit for monitoring and controlling GaN SSPAs, BUCs, and UCs in redundant systems.

Dimensions (L x W x H)	404 x 220 x 151 mm
Supply	180-305 VAC, 47-63 Hz
Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C

[price on request](#)



TTI NORTE

Remote Control Unit M&C GaN SSPA/BUC/UC Systems Outdoor

A weatherproof Remote Control Unit for monitoring and controlling GaN SSPAs, BUCs, and UCs in outdoor redundant and phase-combined configurations.

Dimensions (L x W x H)	404 x 220 x 151 mm
Supply	180-305 VAC, 47-63 Hz
Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C

[price on request](#)



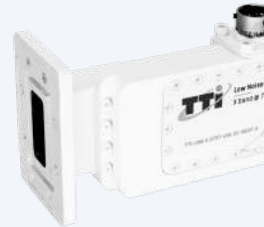
TTI NORTE

RF Management Units

Celestia TTI's RF Management Units provide flexible solutions for SATCOM Ground Stations, offering RF interface and switching capabilities for signal routing, distribution, amplifi

Functions	Signal routing, distribution, amplification, attenuation, monitoring, filtering, frequency
Interfaces	Front-panel GUI and web-based remote MMI
Certification	CE
Redundancy	Redundancy management units available

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



TTI NORTE

X-Band LNA for Earth Observation & Lunar Communications

New-generation low-noise amplifiers (LNAs/LNBs) for X-band satcom ground stations, engineered for earth observation and lunar communication receive chains.

Variant 1 frequency	7.9 - 8.5 GHz
Variant 2 frequency	8.0 - 8.5 GHz
Variant 3 frequency	8.4 - 8.5 GHz
Noise temperature (all variants)	< 50 K

[price on request](#)

Contact TTI Norte

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/tti-norte/>

<https://celestia-tti.com>