



Xtragen Technologies Private Limited

Enabling connectivity between Technology & People



Xtragen Technologies Private Limited

Enabling connectivity between Technology & People

Based in Bangalore, Xtragen Technologies Private Limited ("Xtragen") integrates Navigation, Electronics, and IT to deliver customized solutions that help businesses operate efficiently. We partner with leading Indian and global manufacturers under long-term agreements, serving as a single-window solution provider. Supporting the "Make in India" initiative, we collaborate with OEMs to manufacture locally, bridging gaps with advanced skills and driving innovation in our offerings.

Office Address

Plot No 44, Gayatri Building, 201 Royal Lake Front Residency, 80 Feet Road, JP Nagar 8th Phase, Bangalore 560 076.

Innovating Technology for a Connected Future

Contact



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Xtragen – Enabling Connectivity Between Technology & People

From defense systems to aerospace, from space missions to earth science, and from industrial automation to telecom networks – Xtragen delivers advanced GNSS, navigation, and connectivity solutions that empower innovation across critical industries. Our technologies are designed to be rugged, reliable, and future-ready, supporting professionals in research, defense, surveying, automation, and beyond.

Xtragen Technologies Pvt. Ltd.

📍 Bangalore, India

☎ Phone : +91-6361549010, toll Free : 18008897566

🌐 www.xtragen.in | ✉ sales@xtragen.in



www.xtragen.in



MAKE IN INDIA GNSS SOLUTIONS

GNSS Receiver boards

XT-GNSS-X5 Board	XT-GNSS-H Board	XT-GNSS-T
Compact multi-constellation GNSS receiver Board <u>Model No.</u> XT-GNSS-X5 Board	Compact multi-constellation GNSS + Heading Receiver Board <u>Model No.</u> XT-GNSS-H Board	Compact multi-constellation GNSS + Timing Receiver Board <u>Model No.</u> XT-GNSS-T Board
		

GNSS Receivers

XT-400	XT-400+	XT-500	XT-500+
Multi-frequency, multi-constellation Single Antenna GNSS receiver	Dual-frequency, multi-constellation Dual Antenna GNSS receiver	Multi-frequency, multi-constellation GNSS Reference receiver	Multi-frequency, multi-constellation Dual Antenna GNSS receiver
			
XT-600+	XT-D500	XT-D500+	GNSS Compass
Multi-frequency, multi-constellation Heading Rack Mount GNSS Receiver	Single-antenna multi-frequency GNSS receiver	Dual-antenna multi-frequency GNSS receiver for Heading Application	Multi-frequency, multi-constellation Dual Antenna GNSS Compass
			
XT-100	XT-200		
High-precision, rugged GNSS receiver: 1408 channels, IP67 & MIL-810G rated, with 4G and removable 5160 mAh battery	Multi-constellation, survey-grade GNSS receiver: compact, rugged & high-precision for all-weather positioning.Heading Rack Mount GNSS Receiver		
			

Xtragen provides customised design, development and manufacturing of any kind of GNSS Receivers

Make in India, For the World
Xtragen Technologies





MAKE IN INDIA ANTENNA SOLUTIONS

GNSS Antennas

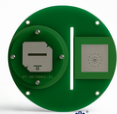
Helix Antenna

Compact multi-Frequency GNSS Helical Antenna
Model No. XT-GNSS-IGATHAVI-22



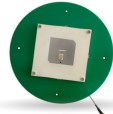
S band Antenna

The Compact S-band Antenna operates from 2560 to 2690 MHz frequency band
Model No. XT-SBTXRXAVI-21



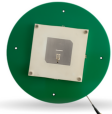
IRNSS /GPS Antenna

Ultra-slim GNSS patch antenna with premium gain
Model No. XT-GNSS-IGALBVI-22



IRNSS /GPS Antenna

Rugged-grade, high-gain GNSS patch antenna built for extremes
Model No. XT-GNSS-IGALBV2-22



IRNSS /GPS Antenna

High-gain, multi-band GNSS antenna
Model No. XT-GNSS-IGALBV3-22



IRNSS/GPS Reference Antenna

High-gain, multi-band GNSS Reference Antenna
Model No. XT-GNSS-IGAQBRCVI-22



IRNSS /GPS Antenna

Low-noise, multi-band GNSS Antenna
Model No. XT-GNSS-IGATBV3-21



IRNSS /GPS Antenna

Compact, high-gain multi-band IRNSS/GNSS antenna
Model No. XT-GNSS-IGHALTBVI



IRNSS /GPS Antenna

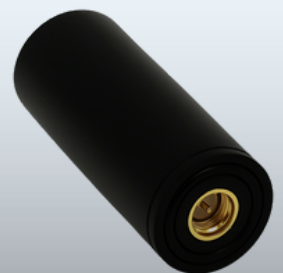
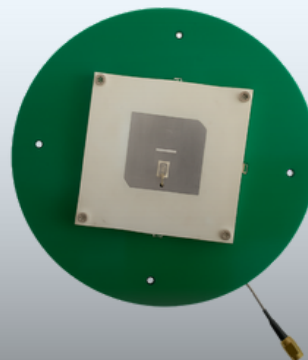
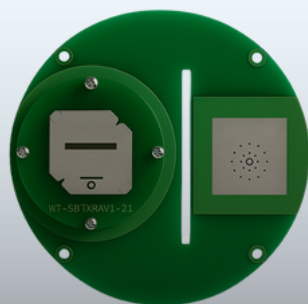
High-gain multi-band GNSS+ IRNSS S Band Antenna
Model No. XT-GNSS-IGAQBVI-22



Xtragen provides customised design, development and manufacturing of any kind of Antenna

Make in India, For the World

Xtragen Technologies



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MAKE IN INDIA RUGGED TABLETS / CONTROLLERS

Galaxy Tab Active5 – Built Rugged, Powered for Productivity

From harsh worksites to everyday tasks, the Galaxy Tab Active5 is engineered with IP68 protection, MIL-STD-810H certification, replaceable battery, 5G connectivity, and S Pen support—delivering the durability, performance, and flexibility frontline workers need to stay connected and productive anywhere.

SAMSUNG
Samsung Electronics Co. Ltd.

Authorized Dealer -
Xtragen Technologies Pvt. Ltd.

GALAXY TAB ACTIVE5

- OS: Android 15 (One UI)
- IP Rating: IP68
- Battery Capacity: 5050 mAh (replaceable)
- Display Size: 8"
- Network Support: 5G
- Battery Life: 12 hrs

SAMSUNG



Xtragen make in india rugged tablets / controllers

XTRAGEN XTCTR 201

- OS: Android 14 (also Android 12 GMS option)
- IP Rating: IP65
- Battery Capacity: 10000 mAh
- Display Size: 8"
- Network Support: 5G
- Battery Life: 12 hrs



XTRAGEN XTCTR 201 LITE

- OS: Android 14
- IP Rating: IP67
- Battery Capacity: 8500 mAh
- Display Size: 8"
- Network Support: 4G
- Battery Life: 10 hrs



XTRAGEN XTCTR 201Q

- OS: Android 14 (also Android 12 GMS option)
- IP Rating: IP65
- Battery Capacity: 10000 mAh (removable)
- Display Size: 8"
- Network Support: 5G
- Battery Life: 12 hrs



XTRAGEN XTCTR 201W

- OS: Windows 11
- IP Rating: IP65
- Battery Capacity: 5000 mAh (removable)
- Display Size: 8"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 201A

- OS: Android 14 (also Android 12 GMS option)
- IP Rating: IP65
- Battery Capacity: 10000 mAh
- Display Size: 8"
- Network Support: 5G
- Battery Life: 12 hrs



XTRAGEN XTCTR 101

- OS: Android 12
- IP Rating: IP67
- Battery Capacity: 7700 mAh (non-removable)
- Display Size: 8"
- Network Support: 4G
- Battery Life: Up to 10 hrs



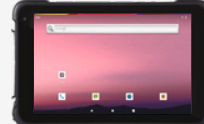
XTRAGEN XTCTR 401

- OS: Android 12
- IP Rating: IP66
- Battery Capacity: 10000 mAh
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 10 hrs



XTRAGEN XTCTR 401 LITE

- OS: Android 12 GMS
- IP Rating: IP65
- Battery Capacity: 8000 mAh
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 401WC

- OS: Windows 11 / Android 12 (variants)
- IP Rating: IP65
- Battery Capacity: 4750 mAh
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 10-12 hrs



XTRAGEN XTCTR 401W PRO

- OS: Windows 11 (optional Windows 10)
- IP Rating: IP65
- Battery Capacity: 5000 mAh
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 401L

- OS: Ubuntu 22.04.4
- IP Rating: IP65
- Battery Capacity: 5000 mAh (removable) + 700 mAh (built-in RTC)
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 201

- OS: Android 12
- IP Rating: IP65
- Display Size: 10.1"
- Network Support: Wi-Fi only (No 4G/5G)
- Battery Life: Not applicable (industrial PC, direct power)



XTRAGEN XTCTR 401W

- OS: Windows 11 (Optional Windows 10)
- IP Rating: IP65
- Battery Capacity: 5000 mAh (removable)
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 401W LITE

- OS: Windows 11 / 10
- IP Rating: IP65
- Battery Capacity: 5000 mAh (removable)
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 401Q

- OS: Android 14
- IP Rating: IP65
- Battery Capacity: 10,000 mAh
- Display Size: 10.1"
- Network Support: 5G
- Battery Life: 12 hrs





MAKE IN INDIA RUGGED TABLETS / CONTROLLERS

XTRAGEN XTCTR 601

- OS: Windows 11 (optional Windows 10)
- IP Rating: IP65
- Battery Capacity: 5000 mAh
- Display Size: 10.1"
- Network Support: 4G
- Battery Life: 12 hrs



XTRAGEN XTCTR 601W

- OS: Windows 11, Optional Windows 10
- IP Rating: IP65
- Battery Capacity: 7.4V/6300mAh
- Display Size: 12.2 inch
- Network Support: 4G/5G
- Battery Life: 12 hours



XTRAGEN XTCTR 601W LITE

- OS: Windows 11
- IP Rating: IP65
- Battery Capacity: 7.4V/6300mAh
- Display Size: 12.2 inch
- Network Support: 4G/5G
- Battery Life: 12 hours



XTRAGEN XTCTR M10

- OS: Android 13
- IP Rating: IP65
- Battery Capacity: 5000mAh
- Display Size: 10.1 inch
- Network Support: 4G
- Battery Life: Not specified



XTRAGEN XTCTR M16

- OS: Android 13
- IP Rating: IP65
- Battery Capacity: 6000mAh
- Display Size: 10.1 inch
- Network Support: 4G/5G
- Battery Life: Not specified



XTRAGEN XTCTR 401WC

- OS: Android 13
- IP Rating: IP65
- Battery Capacity: 10000mAh
- Display Size: 10.1 inch
- Network Support: 4G
- Battery Life: 8-10 Hours



XTRAGEN XTCTR 202

- OS: Android 12
- IP Rating: IP68
- Battery Capacity: 9000mAh
- Display Size: 5.5 inch
- Network Support: 4G
- Battery Life: 22 hours



XTRAGEN XTCTR 206

- OS: Android 15
- IP Rating: IP67
- Battery Capacity: 6050mAh
- Display Size: 8 inch
- Network Support: 5G
- Battery Life: 8-10 hrs



XTRAGEN XTCTR 406W

- OS: Windows 11 / 10
- IP Rating: IP66
- Battery Capacity: 10000mAh
- Display Size: 14 inch
- Network Support: 4G/5G
- Battery Life: 8 hours



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NAVIGATION SOLUTIONS

Oem boards

Vega™ 34 GNSS Compass Board

High-accuracy dual-antenna GNSS heading & RTK positioning board Model: Vega 34



Phantom™ 20 & 34 GNSS OEM Boards

Ultra-robust multi-GNSS RTK & L-band OEM boards Models: Phantom 20 & Phantom 34



Phantom™ 40 GNSS OEM Board

Low-power, multi-GNSS RTK OEM board with Atlas L-band resilience Model: Phantom 40



OEM Development Kit ST

Universal OEM integration kit for rapid GNSS prototyping – Kit: UDK ST



Vega™ 28 GNSS Compass Board

Dual-antenna GNSS heading & RTK positioning board with Atlas L-band precision Model: Vega 28



Vega™ 40 GNSS Compass Board

Next-gen dual-antenna GNSS heading & RTK board with Atlas L-band resilience – Model: Vega 40



SBX-4 DGPS Beacon OEM Board

Dual-channel OEM beacon board delivering RTCM SC-104 differential corrections for enhanced GPS accuracy.



Vega™ 60 GNSS Compass Board

Ultra-advanced dual-antenna GNSS heading & RTK board with Atlas L-band and heave Model: Vega 60



GNSS receivers

Vector™ VR1000 GNSS Receiver

Rugged machine-control GNSS receiver with ultra-precise heading & Atlas RTK Model: Vector VR1000



R632 GNSS Receiver

Compact multi-GNSS RTK receiver with sub-decimeter Atlas positioning & optional 0.01° heading Model: R632



Vector™ VS1000 GNSS Receiver

Rugged multi-frequency GNSS receiver delivering ultra-precise heading (0.01°) and RTK positioning for professional marine environments.



Vector™ VS-i8 Inertial Navigation System

Compact INS with dual-antenna GNSS + Honeywell IMU fusion Model: Vector VS-i8



GNSS Antennas

A46 Antenna

Designed specifically for Construction & Mining Applications | Multi-Frequency, Multi-GNSS



HA32 UAV GNSS Antenna

High-performance UAV GNSS antenna designed to receive GPS, BeiDou, GLONASS, Galileo, QZSS, SBAS, and Atlas L-band signals



A21/A31 Antenna

Single-Frequency, Multi-GNSS | GPS L1, GLONASS G1, BeiDou B1, and Galileo E1 / SBAS-capable



A25 Antenna

Single-Frequency, Multi-GNSS | GPS L1, GLONASS G1, BeiDou B1, and Galileo E1 / SBAS-capable



GNSS Antennas

A42 Antenna

Multi-Frequency, Multi-GNSS | GPS L1/L2/L5, GLONASS L1/L2, BeiDou, and Galileo E1/E5a/E5b / SBAS-capable



A45 Antenna

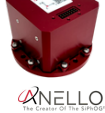
Designed specifically for Marine Applications | Multi-Frequency, Multi-GNSS



Anello

ANELLO X3

World's smallest & lightest 3-axis optical gyroscope IMU with triple-redundant sensors model: ANELLO X3



ANELLO IMU+

Compact, triple-redundant optical-gyro IMU built for harsh, GPS-denied environments model: ANELLO IMU+



Fiber Optic Gyroscope (FOG) Solutions

FOG

Compact, closed-loop FOG modules with ultra-low drift for precise angular velocity sensing



IMU

Integrated 6-axis FOG IMU delivering high-precision motion tracking in a rugged, compact package



ANELLO GNSS INS

Long-term, high-accuracy GNSS-denied navigation solution with optical gyro and sensor fusion model: ANELLO GNSS INS



ANELLO GNSS INS/ATAK KIT

Highly deployable real-time navigation in contested GPS-denied environments model: ANELLO GNSS INS/ATAK Kit



FOG-based (AHRS)

AI-enhanced FOG-based AHRS for real-time orientation and stabilization in unmanned platforms.



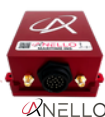
ANTI-JAMMING SOLUTIONS

Modules, receivers and antenna arrays guarantee stable operation in conditions of intentional and unintentional radio frequency interference



ANELLO MARITIME INS

Exceptional real-time navigation for GPS-denied marine environments model: ANELLO Maritime INS



ANELLO EVALUATION KIT

Centimeter-level navigation even under extended GNSS loss—with rugged optical gyro fusion model: ANELLO GNSS/INS Evaluation Kit



GNSS Modules

KV102.SMT

Standard precision and high precision modules for professional applications.



KV103.SMT

Standard precision and high precision modules for professional applications.



GNSS/INS Receivers

GNSS, GNSS+INS SOLUTIONS

High-performance solutions that integrate GNSS and inertial sensor data to continuously determine position, speed and orientation.



NEWTON-1

Newton-1 single antenna high performance gnss, ins receiver



GNSS Boards

KV104

Standard precision and high precision modules for professional applications.



KV106

Standard precision and high precision modules for professional applications.



NEWTON-2

Newton-2 dual antenna high performance gnss receiver with heading



NEWTON-3

Newton-3 tri-antenna high performance gnss receiver





NAVIGATION SOLUTIONS

GNSS modules

mosaic-X5

A quad-band receiver in a low power surface mount module with a wide array of interfaces



mosaic-H

Precise and reliable heading combined with centimeter-level RTK positioning.



mosaic-T

Multi-band, multi-constellation GNSS timing receiver



mosaic-G5 P3

Ultra-compact high-precision GPS/GNSS receiver module



mosaic-G5 P3H

Ultra-compact high-precision GPS/GNSS receiver module with heading capability



mosaic-go G5 P3 evaluation kit

Enabling simple evaluation of mosaic-G5 P3 GNSS module receiver



mosaic-G5 P1

Ultra-compact high-precision GPS/GNSS receiver module with essential functionality



mosaic-go G5 P3H evaluation kit

Enabling simple evaluation of mosaic-G5 P3H GNSS module receiver



GNSS boards

AsteRx-m3 Pro

The AsteRx-m3 Pro is a compact, high-performance, ultra-low power GNSS receiver board



AsteRx-m3 Pro+

AsteRx-m3 Pro+ is Septentrio's best-in-class versatile OEM GPS/GNSS receiver board



AsteRx-m3 ProBase

The AsteRx-m3 ProBase is a multi-frequency and multi-constellation GNSS receiver board



AsteRx-m3 Fg

AsteRx-m3 Fg is Septentrio's OEM board. It is a multi-constellation GNSS receiver board



Reference receivers

PolaRx5

Multi-frequency, multi-constellation GNSS reference receiver



PolaRx5e

Battery powered multi-frequency, multi-constellation GNSS reference receiver



PolaRx5TR

Multi-frequency, multi-constellation GNSS Time and Frequency Transfer Receiver



PolaRx5S

Multi-frequency, multi-constellation Ionospheric Monitoring GNSS Reference Receiver



Rugged boxes

AsteRx RB3 Pro+

Rugged, enclosed GNSS positioning and heading receiver



AsteRx SB3 Pro+

Advanced housed GNSS positioning and heading receiver



AsteRx-U3 Marine

Multi-constellation, dual-antenna GNSS receiver for marine applications



AntaRx-S3

Ultra-rugged GNSS smart antenna



GNSS/INS OEM receiver boards

AsteRx-i3 S Pro+

GNSS/INS board with tethered IMU for flexible installation



ASTERX-I3 D PRO

Ready-to-use GNSS/INS single-board receiver



AsteRx-i3 D Pro+

GNSS/INS including sensor fusion in single and dual antenna for integrated solutions



AntaRx-Si3

Ultra-rugged inertial GNSS/INS smart antenna



GNSS/INS Rugged boxes

AsteRx RBi3 Pro+

Rugged GNSS/INS positioning and heading receiver



AsteRx RBi3 Pro

Rugged GNSS/INS positioning receiver



AsteRx SBi3 Pro

Ruggedized receiver for high-accuracy positioning and orientation



AsteRx SBi3 Pro+

Ruggedized receiver for high-accuracy positioning and orientation



GNSS antennas

PolaNt Choke Ring

High-precision geodetic full GNSS spectrum choke ring antenna



VeraChoke

High Precision Full GNSS Spectrum Choke Ring Antenna



PolaNt-x MF.v2

Lightweight, high-precision antenna for geodetic, survey and machine control applications



PolaNt* MC.v2

High-precision multi-frequency GNSS antenna



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RF & MICROWAVE COMPONENTS, SYSTEMS AND SUB-SYSTEMS

Active components

MIXER

Frequency ranges
1.5GHz – 44.0+GHz

AMPLIFIER

Frequency ranges
10MHz – 42GHz

SWITCHES

Frequency ranges
1.5GHz – 6GHz

OSCILLATORS

Frequency ranges
1.5GHz – 44.0+GHz

TIMING MODULE

Frequency ranges
8MHz – 150MHz

CONVERTER

Frequency ranges
2GHz – 18GHz

PULSE MODULATORS

Frequency ranges
2GHz-18GHz

LNA

Frequency ranges
DC-6GHz

DETECTOR/LIMITERS

Frequency ranges
0.1GHz – 40GHz

OCXO

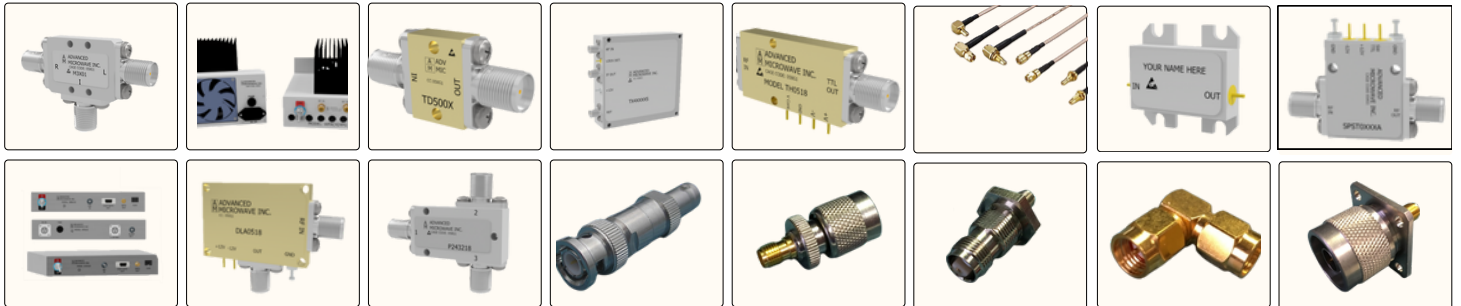
Frequency ranges
1MHz – 500MHz

VCO

Frequency ranges
2.0GHz – 18.0GHz

TCXO / VCTCXO

Frequency ranges
0.001MHz – 1500 MHz





RF & MICROWAVE COMPONENTS, SYSTEMS AND SUB-SYSTEMS

Passive components

FILTERS

Frequency ranges
DC-26GHz

POWER DIVIDER

Frequency ranges
DC-40GHz

INTEGRATION SERVICES

Frequency ranges
DC-40GHz

SWITCH MATRIX

Frequency ranges
DC-40GHz

HYBRID COUPLERS 90°/180°

Frequency ranges
DC-40GHz

WAVEGUIDE ADAPTOR

1.0mm (W band) to WR-10/WR-15, and 1.85mm to WR-15

RF FILTERS

Frequency ranges
DC-40GHz

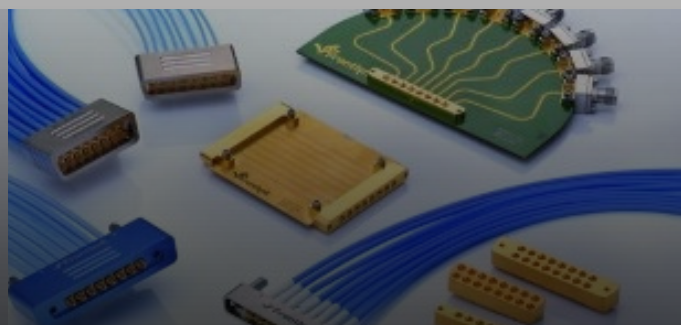
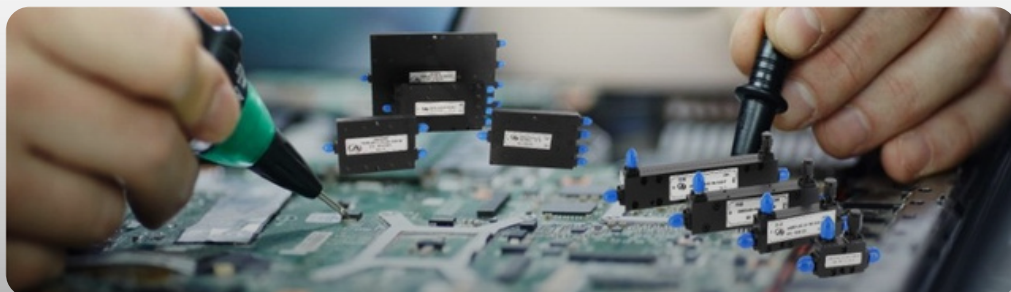
UP & DOWN CONVERTER

Frequency ranges
DC-40GHz

Connectors

SMC Connectors

Frequency ranges
DC-40GHz



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TEST & MEASUREMENT SOLUTIONS

Pulsers

Customizable Portable Pulse Generator

Suitcase-style high-voltage pulse generator with selectable waveforms and portable power options – model : Customizable Portable Pulse Generator



Pulsers

Precision high-voltage pulse sources for RF immunity and EMP testing – model : Pulsers



Spirent

Sim3D

Ospirent

GSS9000 GNSS Simulator

Ospirent

interference Simulation system

Ospirent

SimGEN

Ospirent

Vector analyser

Vector Network Analyzer

Wideband 20 GHz modular VNA delivering precision S-parameter analysis in a compact form



SANKO

Handheld Cable and Antenna Analyzer

Rapid D-TFM analysis for field cable and antenna health checks—essential for 5G deployment



SANKO

Handheld Spectrum Analyzer

vReal-time, high-resolution spectrum monitoring from 9 kHz to 18 GHz—perfect for field diagnostics.



SANKO

Handheld Signal Generator

Ultra-mobile RF source with wide frequency coverage—ideal for on-site wireless signal testing



SANKO

BirdRF Legacy Product

Trusted RF power metering and measurement solutions built on Bird's legacy—versatile for diverse RF tasks.



SANKO

Accessories

Compact RF calibration accessory for precision VNA measurements – model : Accessory



SANKO

Microwave and millimeter-wave measurement instruments

Signal Generator

High-precision source for stable and wideband RF/microwave signals.



Ce/year

Signal and Spectrum Analyzer

Advanced analysis of RF signals with wide dynamic range.



Ce/year

Receiver

Reliable high-sensitivity receiver for accurate signal detection.



Ce/year

Vector Network Analyzer

Complete S-parameter testing for RF and microwave components.



Ce/year

Noise Figure Analyzer

Accurate measurement of noise performance in devices and systems.



Ce/year

Microwave Power Meter / Frequency Meter

Precision measurement of microwave power and frequency.



Ce/year

RF & Microwave Comprehensive Testers

Multi-function testing solution for RF & microwave systems.



Ce/year

Solid-state Power Amplifier

High-efficiency amplifier for robust signal boosting.



Ce/year

Opto-electronic Measurement Instruments

Optical Fusion Splicers

Precision splicing solutions for optical fiber connections



Ce/year

Optical Physical Parameters Test

Accurate measurement of fiber optic physical properties



Ce/year

Optical Link Test

Comprehensive testing for optical communication links



Ce/year

Optical Spectrum Measurement

High-resolution analysis of optical spectra



Ce/year

Communication Measurement Instruments

High-speed Optical Component Measurement

Advanced testing for high-speed optical devices



Ce/year

Digital Communication Instruments

Precision testing tools for digital communication systems.



Ce/year

Wireless Communication Instruments

Reliable measurement solutions for wireless networks.



Ce/year

Function/Arbitrary Waveform Generator

Versatile signal generation for design and testing needs.



Ce/year

Fundamental measurement instruments

Digital Oscilloscopes

Accurate waveform capture and analysis for electronic testing.



Ce/year

PV Products

Reliable solutions for photovoltaic performance and efficiency testing.



Ce/year

Component Test

Comprehensive measurement tools for electronic component evaluation.



Ce/year

VXI Bus Test Modules

Scalable modular platform for automated electronic test systems.



Ce/year

Audio Analyzer

High-precision measurement system for audio quality and performance.



Ce/year

Programmable Power Supply

Flexible power delivery for development and lab applications.



Ce/year

PXI Bus Test Modules

High-performance modular instruments for flexible test applications.



Ce/year

CPCI Bus Test Modules

Reliable CompactPCI-based modules for advanced measurement and control.



Ce/year

Modular measurement instruments



TEST & MEASUREMENT SOLUTIONS

Rubidium frequency oscillators

AR133 MULTI-FUNCTIONAL RUBIDIUM FREQUENCY STANDARD

Compact Rubidium Frequency Standard with Quantum Accuracy & Ultra-Low Phase Noise

NANO ATOMIC CLOCK (NAC2) RUBIDIUM FREQUENCY OSCILLATOR

Ultra-Compact Rubidium Atomic Clock—10 MHz & 1PPS Outputs, 2×10^{-11} Short-Term Stability

AR133-03 RUGGEDIZED RUBIDIUM FREQUENCY OSCILLATOR

Ruggedized Rubidium 10 MHz Oscillator with Vibration Isolation, $\pm 5\text{E-11}$ Stability & Fast Warm-Up for Airborne Applications

AR13350 RUBIDIUM FREQUENCY STANDARD

High-Stability Rubidium Frequency Standard for Precision Timing

Portable atomic Clock for Time & frequency dissemination

AR50005 PORTABLE ATOMIC CLOCK FOR TIME AND FREQUENCY DISSEMINATION

Portable GPS-Disciplined Rubidium Atomic Clock in a Rugged Suitcase for Time & Frequency Synchronization



DS5000-00 DOCKING STATION FOR AR50-05 CALIBRATION CASES

Rack-Mount Docking Station Syncs & Charges Up to 12 AR50-05 Units with Rubidium Precision & GUI Monitoring



Accubeat NTP/PTP time servers

AR79 NTP RUBIDIUM TIME SERVER WITH ADVANCED NETWORK SECURITY

Secure NTP Rubidium Time Server with 10,000 req/s, GPS holdover & multi-output flexibility

AR76 MULTI-FUNCTIONAL NTP/PTP NETWORK TIME SERVER

High-Precision GPS-Disciplined Rubidium NTP/PTP Time Server with Multi-Output, Dual LAN, and Anti-Spoofing Protection

AR71 COMPACT NTP/PTP TIME SERVER

AR71 compact NTP/PTP time server with Rubidium stability, GPS discipline, 20 ns IPPS accuracy & anti-spoofing in a sleek 115x160x38 mm unit.

AR77 RUGGEDIZED TIME SERVER

AR77 Rugged NTP/PTP Time Server with Built-in Rubidium Oscillator, GPS Discipline, 20ns PPS Accuracy & Multi-Output LAN

Space products and solutions

ULTRA STABLE OSCILLATOR (USO) FOR DEEP SPACE EXPLORATION

Ultra-Stable Quartz Oscillator for Deep Space – Allan Dev. $< 5\text{E-13}$ & High Temp Stability



AR81 GNSS GROUND SEGMENT UNIT

1U Rack-Mount Rubidium GNSS Standard with Ultra-High Stability (2×10^{-11} @10k s) & Low Phase Noise



Cyber security & anti-spoofing products

TIME FIREWALL™ PROTECTING CRITICAL INFRASTRUCTURE

GNSS Anti-Spoofing & Jamming Protection for Secure Timing

AS133 RUBIDIUM FREQUENCY STANDARD WITH ANTI-SPOOFING TECHNOLOGY

Compact Rubidium Frequency Standard with Anti-Spoofing, DFLL Control & Power-Saving Modes

AS79 NTP TIME SERVER WITH ANTI-SPOOFING

Rubidium NTP Time Server with Anti-Spoofing, 10k req/s, comprehensive outputs & GPS-disciplined holdover

AR50-05 PORTABLE ATOMIC CLOCK FOR TIME AND FREQUENCY DISSEMINATION

Portable GPS-Disciplined Rubidium Atomic Clock in a Rugged Case – Time & Frequency Dissemination under GNSS Denial

Accubeat customized solutions that meet the exact requirements for a specific project

GPS133 - COMPACT GPS DISCIPLINED RUBIDIUM ATOMIC CLOCK

Compact GPS-Disciplined Rubidium Clock—10 MHz Output, < 10 ns IPPS Accuracy & Optional Anti-Spoofing



DS5000-00 DOCKING STATION FOR AR50-05 CALIBRATION CASES

Rack-Mount Docking Station Syncing & Charging 12 Portable Rubidium Clocks with GPS Discipline & Redundancy

Accessories

SHOCK ABSORBER/VIBRATION TRAY

Tool-Free Vibration Tray for AR51-07 Rubidium Clock—Reduces Vibration in Harsh Environments

INSTALLATION KIT / GPS ANTENNA M FREQUENCY OSCILLATOR

High-Gain GPS Antennas with Cables – Reliable Airborne, Ground & Choke Ring Applications

AD12 REDUNDANT SWITCH AND DISTRIBUTION UNIT

12-Channel Redundant Switch & Distribution for Reliable Signal Management

AB5000 RECHARGEABLE, BACKUP BATTERY UNIT

Rugged Backup Battery Ensuring TOD Continuity During Power Loss

GPS Disciplined Time & frequency products

AR51-09 MIL-SPEC, GPS DISCIPLINED TIME AND FREQUENCY UNIT

Compact MIL-Spec GPS-Disciplined Rubidium Clock—High Stability with Multiple TOD & 1 PPS Outputs

AR51-07 LOW PROFILE, MIL-SPEC, GPS DISCIPLINED, TIME AND FREQUENCY UNIT

Low-profile MIL-Spec GPS-Disciplined Rubidium Clock—20 ns Time Accuracy, Have-Quick & Anti-Jamming

AR77 RUGGEDIZED TIME SERVER

AR77 Rugged NTP/PTP Time Server with Built-in Rubidium Oscillator, GPS Discipline, 20ns PPS Accuracy & Multi-Output LAN

AR78 RUGGEDIZED TIME SERVER

AR78 Rugged GPS-Disciplined Rubidium Clock—20 ns Accuracy, Multi-Output & LAN

Synchronization testing in the Lab

Paragon neo-S

Next-generation 5G sync test solution up to 800 GbE with sub-nanosecond accuracy – model: Paragon neo-S



Paragon-NEO

Sub-nanosecond precision PTP & SyncE test solution up to 100 GbE for 5G validation – model: Paragon-neo



Paragon-X

One-box synchronization test solution for PTP, SyncE, NTP & OAM up to 10 GbE with 5 ns accuracy – model: Paragon-X



Paragon-One

Dedicated one-box PTP compliance tester with full metrics and real-time protocol emulation model: Paragon-One



Instrumentation

Bulk Current Injection Probes

Fischer BCI Probes : Precision RF Injection Tools for Conducted Immunity Testing



Bulk Current Injection Probe Fixtures

Rapid calibration fixtures for BCI probes – model : Bulk Current Injection Probe Fixtures



Current Monitor Probes

High-fidelity RF current sensing for conducted emissions testing – model : Current Monitor Probes



Current Monitor Probe Fixtures

Precise calibration support for current probes – model : Current Monitor Probe Fixtures



Coupling Decoupling Networks (CDN)

Controlled RF immunity signal injection with precise impedance isolation – model : Coupling-Decoupling Networks (CDNs)



50-150 Ω Adapters

Non-contact common-mode voltage adapters for accurate CDN calibration – model : 50-150 Ω Adapters



Capacitive Voltage Probe

Non-contact common-mode voltage measurement for CISPR compliance – model : Capacitive Voltage Probe (F-CVP-1)



Current Monitor Probe Fixtures

High-efficiency clamp-on RF immunity tool for complex cable testing – model : EM Injection Clamps & Fixtures



DCN

Decoupling ferrite tube for EMC conducted immunity with IEC 61000-4-6 compliance – model : DCN



LISN

Precise RF noise measurement and isolation for conducted emissions testing – model : LISNs (Line Impedance Stabilization Networks)



Surface Monitor Probe

Non-invasive RF current mapping on flat conductors – model : Surface Monitor Probes



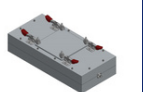
Telecom Surge CDN

IEC 61000-4-5 telecom surge compliance tester for powered Ethernet lines – model : Telecom Surge CDN



TEM Cell

Compact far-field EMC test chamber for ICs and small devices – model : TEM Cell



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Airace

GEO SPATIAL SOLUTIONS

AIRACE BASE + ROVERS

Portable, rugged GNSS RTK receiver with multi-constellation tracking and IMU tilt-compensation – perfect for surveying, GIS, and construction



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AIRACE GEO STUDIO

Desktop GNSS post-processing software with RINEX conversion, static/kinematic processing, and network baseline analysis.



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Drones

SNAP-M SURVEY-GRADE MAPPING

DGCA-certified PPK/RTK drone with 50 min endurance, >1.5 km² coverage, and ±10 cm mapping accuracy



CDspace



- ✓ Dual Network (GSM + Radio)
- ✓ High Reliability & Long Endurance
- ✓ Empowering Local Surveyors with Vernacular Language Support (Audio + Written)
- ✓ Made in India, for India



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- Dual Network
- GSM and Radio Works Simultaneously
- 2x Reliability



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First DGPS with **Regional Language**
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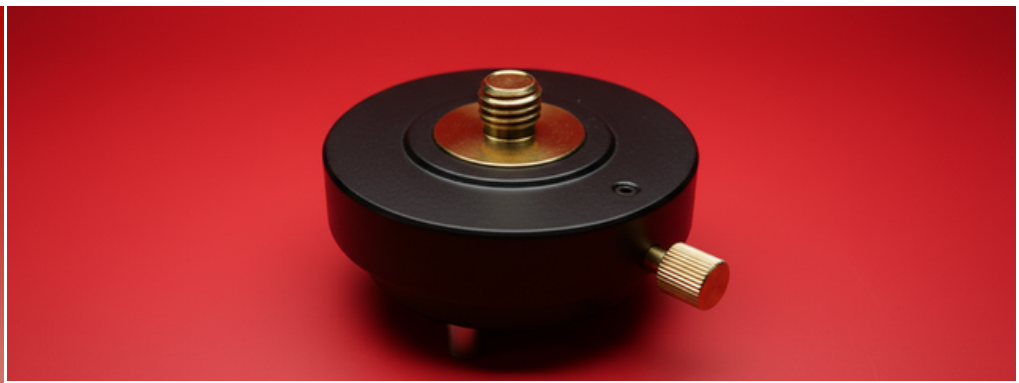
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First DGPS with **Vernacular Language**
Support Both Audio & Written
Powered by India, for India

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