



Beijing Huali Chuangtong Technology Co., Ltd.

China · founded 1999 · hwacreate.com.cn

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PRODUCTS

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as of 20 August 2026



Beijing Huali Chuangtong Technology Co., Ltd.

Beijing Huali Chuangtong Technology Co., Ltd. (Hwa Create) is a high-technology publicly listed company on the Shenzhen ChiNext board, with over two decades of experience serving China's national strategic technology sectors. The company has established ISO 9001, GJB9001C, and AS9100D quality management systems, and holds more than 340 active patents, 596 software copyrights, and 10 integrated circuit layout designs. Hwa Create has been recognized as one of China's top-ten Beidou industrialization enterprises and a Beidou Pioneer Enterprise. Hwa Create's core business spans five domains: satellite applications (Beidou navigation and Tiantong satellite communications), radar signal processing, avionics, unmanned systems, and simulation testing. In the satellite applications domain the company has built a complete industrial chain from chips and modules to terminals, solutions, and testing instruments. The company successfully developed China's first-generation hardware-in-the-loop simulation computer and synthetic aperture radar signal simulator, and has actively participated in the construction of China's two major national space infrastructure programs — the Beidou satellite navigation system and the Tiantong satellite communication system. The unmanned systems division develops a wide range of fixed-wing and VTOL UAVs for reconnaissance, surveying, inspection, and target simulation missions. The radar signal processing division produces advanced signal simulators and test instruments for missile guidance systems, airborne and spaceborne radar, and complex electromagnetic environment emulation. The avionics division specializes in ARINC 664 network equipment for aerospace ground simulation and testing. Hwa Create actively develops commercial aerospace, low-altitude

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Product catalogue



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 FPGA IP Core

The A664 IP Core is an FPGA IP unit compliant with the ARINC 664 specification, supporting 2 ARINC 664 ports with configurable 10/100/1000 Mbps port speeds. It enables fast impleme

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 Network Analyzer

The A664 Network Analyzer is an ARINC 664 (AFDX) network data acquisition and analysis tool. It adopts a portable ruggedized laptop form factor with 4 acquisition ports supporting

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 Signal Switch

The A664 Signal Switch is a high-performance, multi-channel, low-power real-time multi-path signal switching device. It supports switching of 8 channels of 10/100/1000 Mbps ARINC 6

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 Stimulus/Acquisition Card

The A664 Stimulus/Acquisition Card is a high-performance ARINC 664 protocol simulation test terminal network card providing 24 ARINC 664 ports with configurable 10/100 Mbps port sp

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 Switch (100 Mbps)

The A664 100 Mbps Switch is an 8/24-port ARINC 664 switch based on the ARINC 664 avionics bus standard. It features high reliability and real-time determinism with multiple remote

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

A664 Switch (Gigabit)

The A664 Gigabit Switch is an 8/16/24-port ARINC 664 switch based on the new-generation avionics bus ARINC 664 standard. It provides SFP interfaces supporting optical modules (LC c

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Beidou Precision Spatio-Temporal Big Data Management Platform

The Beidou Precision Spatio-Temporal Big Data Management Platform leverages a data middle-platform architecture to integrate Beidou and Tiantong satellite data resources, break down

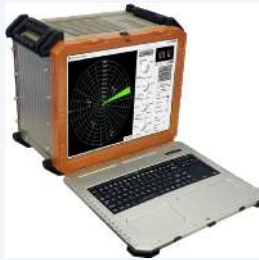
price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Beidou Star-Ground Fusion CORS Augmentation Service Platform

The Beidou Star-Ground Fusion CORS Augmentation Service Platform is a high-precision positioning service software platform using internationally leading reference station networkin

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Complex Electromagnetic Environment Monitoring System

The complex electromagnetic environment monitoring system includes a monitoring management subsystem, portable radar environment monitoring equipment, and portable communication en

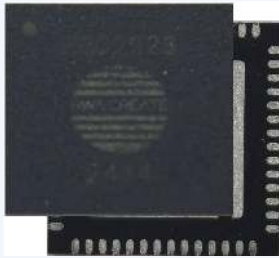
price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
EBike-Tbox Smart Electric Bicycle IoT Terminal

The EBike-Tbox V30 is an intelligent IoT terminal designed specifically for electric bicycles, compliant with the Electric Bicycle Safety Technical Standard (GB17761-2024). It supp

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBD2023 Beidou-3 Short Message RF-Baseband SoC Chip

The HBD2023 is a Beidou-3 short message RF-baseband integrated SoC chip supporting reception of B1I, B1C, B2a, B2b, and B3 signals for positioning, velocity measurement, and timing

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBD2305 Multi-Mode Mobile Communication Terminal

The HBD2305 is a satellite-terrestrial multi-mode mobile communication intelligent handheld terminal designed for mass consumer and industrial applications. It combines mainstream

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBD4200 Marine Beidou Positioning Terminal

The HBD4200 is a multifunctional marine communication terminal integrating Beidou RDSS short message, Beidou high-precision positioning, 5G, Wi-Fi, and public network connectivity.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBD4201 Inland Vessel Beidou Terminal

The HBD4201 Inland Vessel Terminal is designed for river navigation management. It consists of a human-machine interaction tablet and a communication base. The tablet incorporates

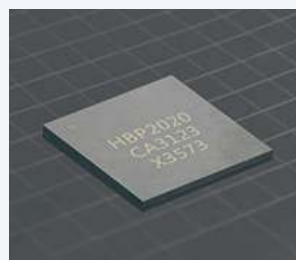
price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBP2012 Beidou-2 Navigation Baseband Chip

The HBP2012 is a fully proprietary navigation baseband chip capable of simultaneously receiving BDS, GPS, and GLONASS signals. It can capture and track Beidou precision ranging cod

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HBP2020 Beidou-3 Multi-Mode Multi-Frequency Navigation Baseband Chip

The HBP2020 is the latest multi-system multi-frequency satellite navigation baseband chip from Hwa Create. It supports BDS, GPS, GLONASS, Galileo, QZSS, and SBAS full-system full-f

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HTD1010 Direct-to-Mobile Satellite Communication Baseband Chip

The HTD1010 is a fully proprietary satellite mobile communication baseband processor chip supporting direct phone-to-satellite communication. It fully supports the Tiantong-1 satel

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HTD2010 High-Low Orbit Fusion Satellite Baseband Processor Chip

The HTD2010 is a fully proprietary satellite mobile communication baseband processor chip developed by Hwa Create. It fully supports the Tiantong-1 satellite mobile communication s

price on request

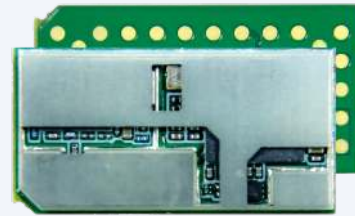


BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTD3100 High-Low Orbit Fusion Satellite Baseband-RF SoC Chip

The HTD3100 is a fully proprietary satellite mobile communication baseband-RF integrated SoC chip developed by Hwa Create. It fully supports the Tiantong-1 satellite mobile communi

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTDM1310E Tiantong-1 Handheld Communication Module

The HTDM1310E is a Tiantong satellite mobile communication wireless module providing voice and data services. Based on the HTD3100 chip, it integrates an RF-baseband SoC, power amp

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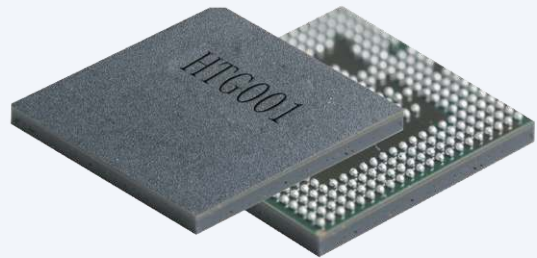


BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTDM3710E Tiantong-1 Automotive-Grade Communication Module

The HTDM3710E is an automotive-grade Tiantong satellite mobile communication wireless module providing voice and data services for vehicle applications. Based on the HTD1001 chip,

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTG001 High-Precision Baseband Chip

The HTG001 is a high-precision Beidou baseband chip supporting RNSS navigation signal reception, acquisition, tracking, and computation. It provides single-frequency, dual-frequenc

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTQ216S Miniaturized Beidou-3 Short Message Module

The HTQ216S is a miniaturized Beidou-3 regional short message communication module with SMD stamp-hole packaging for easy PCB mounting. It provides Beidou-3 regional short message

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HTY512S Beidou Star-Ground Fusion Positioning Module

The HTY512S is a Beidou star-ground fusion positioning module supporting B3I, B1I, and B1C frequency bands in an industry-standard 16mm × 12.2mm stamp-hole package. It supports dua

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-BD-820 Beidou High-Precision Receiver

The HWA-BD-820 is a high-precision Beidou receiver with anti-multipath capability, designed for deformation monitoring applications. Technical features: – Auto power-on, anom

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-BD-M200 Geodetic Beidou Receiver

The HWA-BD-M200 is a geodetic-grade Beidou receiver for precision monitoring applications. It holds MIIT single-Beidou certification and supports only BDS single-system positioning

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-BDS-M820 Portable Beidou Short Message Terminal

The HWA-BDS-M820 is a self-developed portable Beidou short message terminal supporting simultaneous Beidou short message, single Beidou positioning, and Bluetooth connectivity. It

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-CZ200 Beidou Vehicle High-Precision Terminal

The HWA-CZ200 is a compact Beidou vehicle-mounted high-precision positioning terminal supporting both Beidou-3 and Beidou-2 systems. It provides high-precision Beidou satellite pos

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-LF100 Integrated Crack and Displacement Monitoring Station

The HWA-LF100 is an integrated crack and displacement monitoring station with a one-piece design, highly integrated device and mounting, clean appearance, and IP68 waterproof struc

price on request

BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-D300 Smart Data Acquisition Unit

The HWA-D300 intelligent data acquisition unit is a versatile field monitoring device compatible with a wide range of sensors and communication modes. Technical features: – D

price on request

测量范围	±90°
测量精度	±0.05°
分辨率	0s ~ 30s，用户可设置任意
工作电压	0s ~ 72s，用户可设置任意
接口型号	RS485/NB-IoT/Lora/4G/5G
接口协议	Modbus-RTU、Modbus、HTTP、TCP/IP
工作温度	-40℃ ~ +75℃ 工业级用；-20℃ ~ +55℃ 消费级用
防护等级	IP68
安装方式	磁吸式安装、固定式安装、壁挂式安装、设备支持多种安装方式，安装方便，可长期连续运行，抗震、耐腐蚀、防冲击、防电磁干扰。
供电方式	内置锂电池供电，支持外部供电
工作湿度	95% RH

BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-QJ100 Integrated Tilt and Acceleration Monitoring Station

The HWA-QJ100 is an integrated tilt and acceleration monitoring station using a one-piece design with highly integrated device and mounting. It features a clean and compact appearance.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-YL100 Integrated Rainfall Monitoring Station

The HWA-YL100 is a tipping-bucket rain gauge for automatic rainfall measurement. Rainwater enters through the top catchment, flows through a funnel into the tipping bucket, and when the bucket tips, it sends a signal to the recording device.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

Multi-Mode Active Radar Real-Time Target Signal Simulator

The multi-mode active radar real-time target signal simulator can accept preset or externally input carrier, parameter, and target data synchronized to simulation time steps, and it can generate realistic radar signals.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

Navigation-Communication Integrated Baseband Chip

Hwa Create's satellite mobile communication chip series adopts an SoC architecture with advanced process design, featuring low power consumption, high integration, and complete functionality.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

Radar Environment Signal Simulator

The radar environment signal simulator can generate realistic radar radiation signals in real time, as well as high-density background pulse stream signals. It is suitable for various radar systems.

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

Radar Seeker Integrated Tester

The radar seeker integrated tester generates passive radar test signals and active radar echo signals, and captures and analyzes active radar transmit signals. It comprehensively tests the performance of radar seekers.

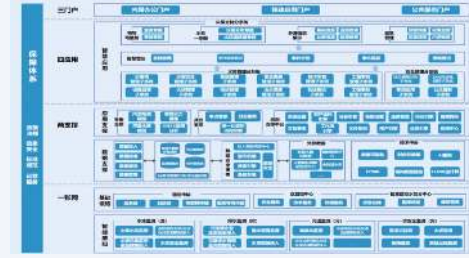
price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD. Satellite Value-Added Service Platform

The Satellite Value-Added Service Platform is built on a data middle-platform, connecting core Tianlong and Beidou business chains with terrestrial networks to achieve Beidou, Tian

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD. Smart Reservoir Management Platform

The Smart Reservoir Integrated Platform is a key component of the Beidou precision spatio-temporal big data digital-twin water conservancy system. Its architecture deeply integrate

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD. Space-Air-Ground Integrated Emergency Communication Network System

Hwa Create's space-air-ground integrated emergency communication network system provides audio and video communication capability for emergency disaster relief sites when fix

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD. Spaceborne Radar Echo Signal Simulator

The spaceborne radar echo signal simulator can generate multi-channel distributed spaceborne radar scene and target echo signals. It supports comprehensive testing of radar functio

price on request

Contact Beijing Huali Chuangtong Technology Co., Ltd.

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.

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<http://www.hwacreate.com.cn/>