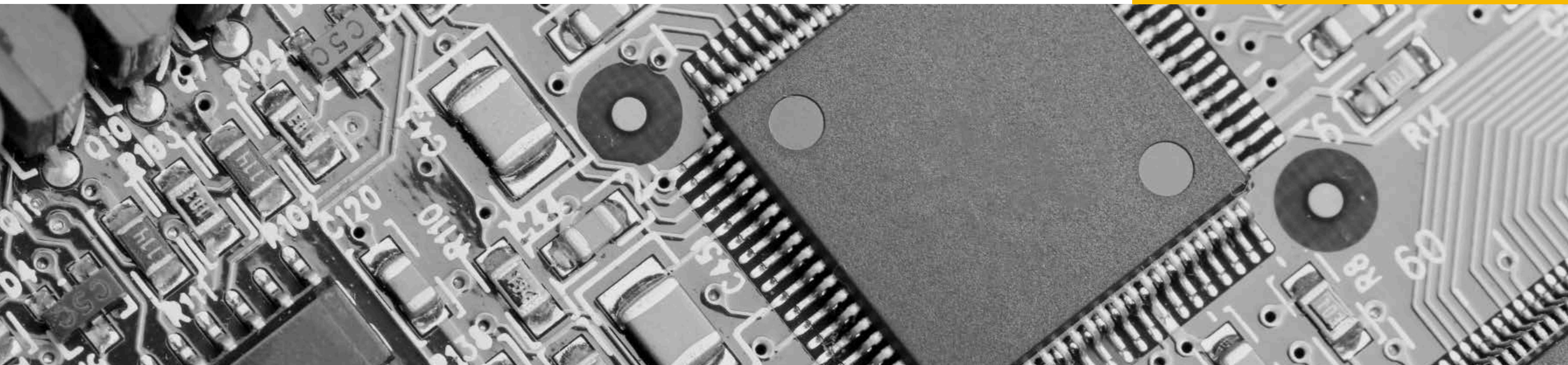


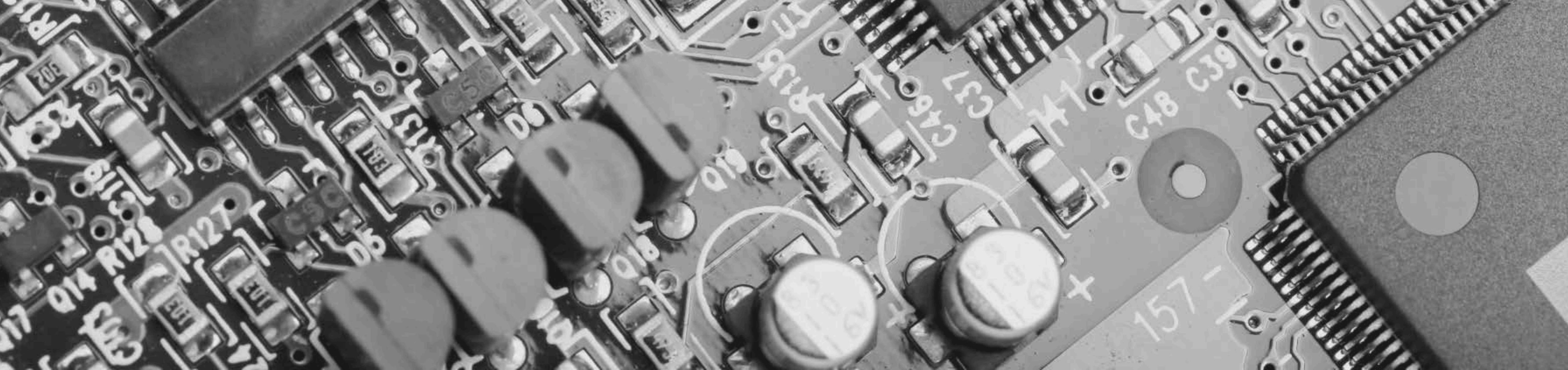


SMART METERS SOLUTION PROVIDER

Superior Chips
Professional Services
Create Value for Customers

Version 2025





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SOLUTION
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INNOVATION
QUALITY
SERVICE
EFFICIENCY



About Us

Shenzhen **Luovalley Trading Ltd.** was established in 2023 obtained ISO9001 certification in 2025. In the same year, the wholly-owned subsidiary, Hong Kong Luovalley Trading Ltd., was established.

Since 2023, our company has provided electronic components and electromechanical automation products to corporate clients in Germany, Poland, and Brazil.

As an authorized distributor of **HiTrendtech**, we provide high-performance chip solutions and innovative smart meter designs to electricity, water, and gas meter manufacturers worldwide. These solutions significantly improve product performance, helping customers reduce costs and increase efficiency.

With genuine **HiTrendtech** support and a strong team of engineers, we offer stable supply and comprehensive after-sales service.

SERVICE 1

HIGH PRECISION LOW
POWER CONSUMPTION
HIGH STABILITY
MULTI-FUNCTION

High Quality Smart Chip

HiTrendtech is a leading Chinese smart meter chip R&D and design company. The products include energy metering chips, smart meter MCU chips, battery management chips and carrier communication chips. Well-known Chinese meter manufacturers such as Lin Yang, HOLLEY, and CLOU all use Hi Trendtech chips.

As an authorized distributor of HiTrendtech, our company can provide a long-term and stable supply of original chips.



—Product Images (Selection)

Different Model

MCU ICs

The multifunction, high-performance and low-power dissipation MCU chips, have internally integrated Cortex-M0/M3 processor, LCD, RMT Ring management, power management, Hardware automatic temperature compensation RTC, ADC, AES, and SPI/UART general interfaces like UART, I2C, SPI and 7816, whose maximum program storage can reach 512KB FLASH and 64KB RAM, greatly reducing the cost and period of its research and development.

COMMUNICATION ICs

Communication products can be divided into several main chip series, such as, narrow-band & low-speed BPSK SoC chips, narrow-band & high-speed OFDM SoC chips, broad-band & high-speed HPLC SoC chips, and broad-band & double module HPRC SoC chips, etc. They are widely applied to remote meter reading, smart home, street lamp control, photovoltaic monitoring, and other fields in smart grid.

METERING ICs

Metering products, include three-phase metering series, single-phase metering series, single-phase SOC series, single-phase/three-phase metering chips in IoT meters. All chips provide the high-precision and harmonic analysis parameters required for multi-function electricity meters, and has anti-interference and anti-electricity theft modes; the SOC includes various functional modules and drivers required for electricity meters, which can greatly save R&D costs and cycles.

BMS ICs

BMS products monitor, evaluate, and control batteries, primarily used in devices and systems containing rechargeable batteries, particularly electric vehicles, energy storage systems, drones, and portable electronic devices. The primary purpose of a BMS is to ensure safe, efficient, and balanced operation of battery packs, extend battery life, and provide accurate battery status information.

IMPROVE METER PERFORMANCE

The high precision and low power consumption characteristics of electricity meter chips enable electricity meters to have stronger performance and meet the diverse needs of users.

REDUCE PRODUCTION COSTS

Adoption of advanced production processes and technologies improves chip yield and reduces production costs, bringing economic benefits to meter manufacturers.

Features

ENHANCE MARKET COMPETITIVENESS

With its excellent performance and low cost, the electricity meter chip has a clear competitive advantage in the market, helping companies expand their market share.

PROMOTE ENERGY SAVING & EMISSION REDUCTION

Through accurate metering and real-time monitoring of electricity consumption, it helps users to use electricity rationally, reduces energy waste, and promotes the realization of energy saving and emission reduction goals.

HI-TRENDTECH SMART CHIPS

HIGH-PRECISION METROLOGY

Using advanced metering algorithms and technology, it can accurately measure electrical energy with minimal error, ensuring the accuracy of electricity metering and protecting the rights and interests of all parties.

LOW-POWER DESIGN

By optimizing circuit design and adopting low-power processes, chip power consumption is reduced, extending the service life of electricity meters and reducing energy consumption.

Advantages

HIGH STABILITY

With excellent anti-interference capabilities and stable performance, it can operate normally in various complex electromagnetic environments, ensuring data reliability.

MULTIFUNCTIONAL INTEGRATION

Integrates a variety of functional modules, such as metering, communication, control, etc., which simplifies the design of the meter and improves the integration and reliability of the system.

SERVICE 2

Customization Solution

Our company provides professional customized smart meter design services.

For different applications, we can provide the most suitable meter design solutions based on customer needs, from PCB design to PCBA mass production.

Our service will help customers upgrade their smart meters, localize production and reduce costs.



With our Design



INDUSTIAL

LARGE FACTORIES,
MINES
ETC.,

FINE-GRAINED
MANAGEMENT OF ENERGY

provide smart meter design
solutions with high-precision
metering, real-time monitoring,
remote control



COMMERCE

SHOPPING MALLS,
HOTELS,
OFFICE BUILDINGS,
ETC.,

DIVERSIFIED POWER
MANAGEMENT NEEDS

time-sharing billing, power
consumption analysis, abnormal
alarm and other functions



CIVIL

RESIDENCE, HOUSE,
APPARTEMENT
ETC.,

REAL-TIME KNOWLEDGE
OF ELECTRICITY CONSUMPTION

real-time electricity
consumption, rationally plan
electricity consumption, realize
energy saving and emission
reduction.

SERVICE 3

Perfect After-Sales & Service System

Exceptional after-sales service helps us achieve our goals: Build long-term partnerships with our customers and receive our steady support throughout the entire cooperation.



1

1 YEARS WARRANTY

Our chips come with a **one-year quality warranty**. For any quality-related issues, you may contact us directly or reach out to HiTrendtech.

5

3-5 YEARS OF DESIGN
UPDATES

Clients who purchase our complete solution are entitled to paid upgrades at a **15%** discount within **3 to 5 years**.

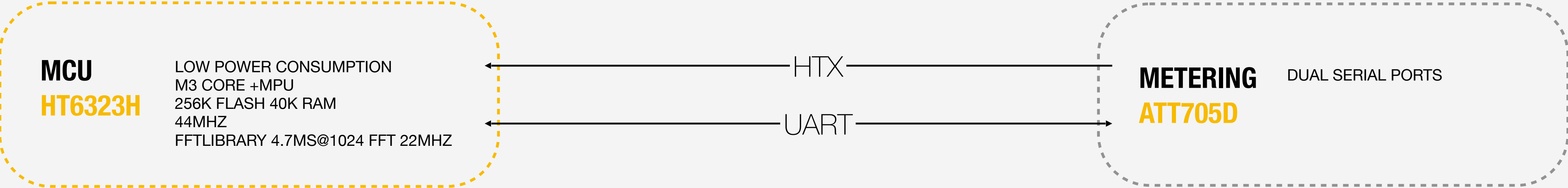
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TECHNICAL SUPPORT AND
ADVISORY SERVICES FOR
FREE

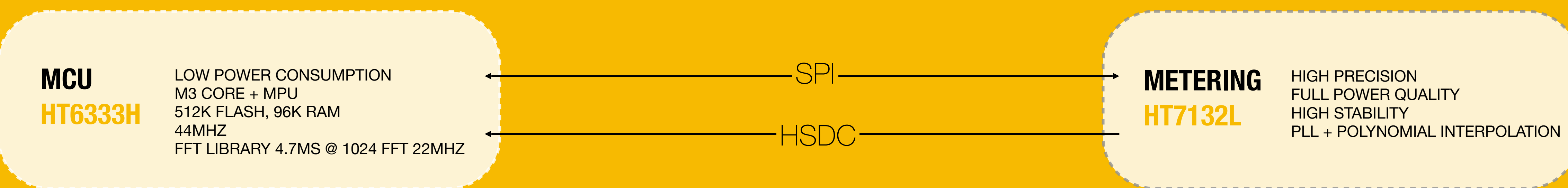
Long-term technical support and solution upgrade consultation are **provided free** of charge.

Solution References

SINGLE-PHASE ELECTRICITY METER SOLUTION



THREE-PHASE ELECTRICITY METER SOLUTION





THANK YOU

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