

**GDAS**

Data Acquisition Host (Intuitive)

**Sampling Performance**

Module Channels: 12 channels (expandable)

Analog Inputs: 8 channels (24bit,  $\pm 10V$ )

Sampling Rate: Total sampling rate 32kHz (typ. 1 kHz per channel, max. 10kHz per channel)

Extra Buses: RS485 $\times 1$ , CAN $\times 1$ **Transmission Mode**

Local Storage: Micro SD up to 256GB

Wired Connection: USB

Wireless Frequency Band: 2.4GHz ISM Band

Wireless Range: 300m within the line-of-sight range

**Power Supply Mode**

DC Input: 8-60V (Reverse Polarity Prot., UV/OV/OC Prot.)

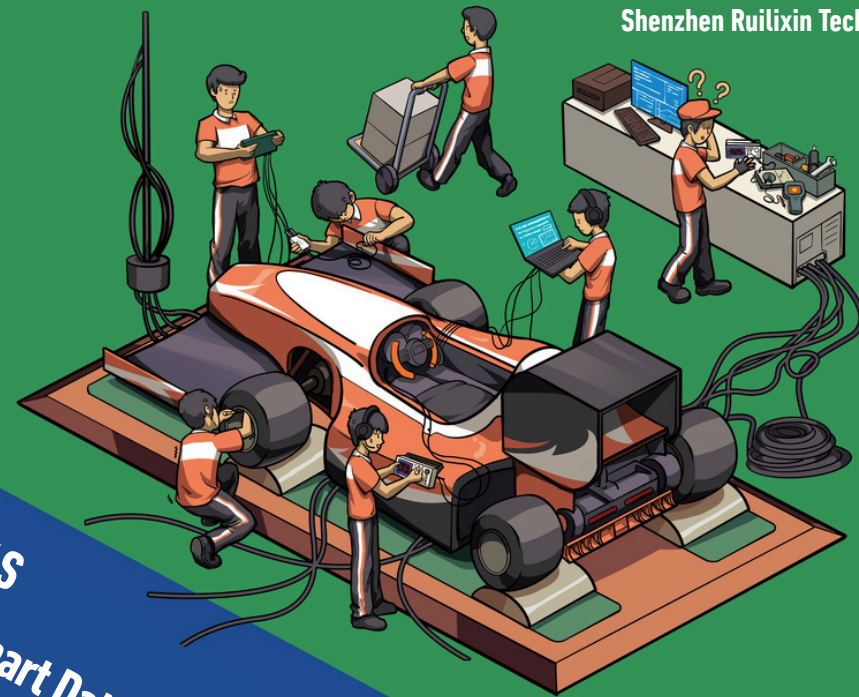
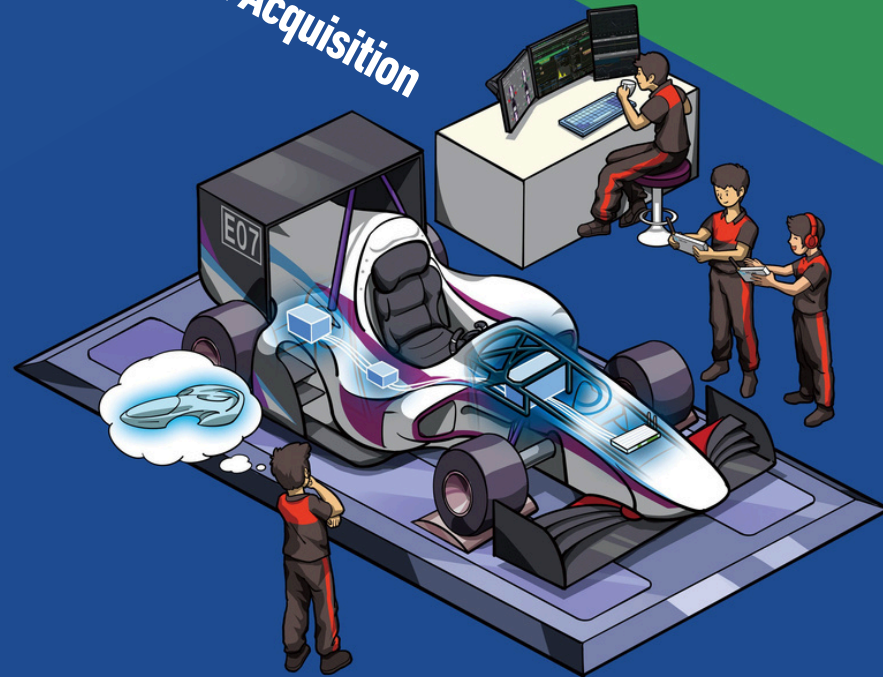
USB Power: 5V USB

Battery: 6Hr Continuous Operation

**Embedded module**

Built - in ADC, CAN bus analysis, and RS485 bus analysis

Built - in nine - axis acceleration sensor and GPS, supports the control of the remote safety circuit

**With GDAS**  
**Simple & Smart Data Acquisition****GDAS**

Wireless Data Acquisition System

User-friendly wireless communication



Freely monitor different data

Live telemetry of test subject status

# GDAS General Data Acquisition System

## Rlink protocol Rapid Adaptability

The RLink interface supports zero-configuration auto-identification, daisy-chain topology to reduce wiring complexity, and synchronous trigger sampling for distributed acquisition.



## 1kHz update rate Wireless monitoring

Provides high-bandwidth, low-latency wireless real-time monitoring. Supports multi-terminal real-time viewing to enhance collaboration efficiency and adapt to diverse application scenarios.



## Multi-Source Power System DC/USB/Battery

Wide-range DC input (8-60V) for industrial environments  
USB-C compatible 5V power delivery  
6-hour battery runtime for mobile operations



## Cross-platform software Intuitive and reliable

Compatible with RLX's proprietary PC data processing software, providing dynamic link libraries (DLLs) to facilitate secondary development and seamless integration with customer systems. Supports cross-platform operation on Windows, Linux, and MacOS.



## GDAS Wireless Data Acquisition System

# VDAS Data Acquisition Software



## Data Playback

Create, deploy, and scale test sequences faster and easier.

## Free-Form Canvas

Rich visualization widgets with freely customizable data software interfaces.

## Cross-Platform Operation

The software supports cross-platform functionality, enabling seamless switching between different devices.

## Data Processing & Export

Provides comprehensive data processing, analysis, and export tools — no programming required.

Crafting excellence in Tools



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