

By car:  5 minutes from the Tohoku Expressway Morioka Minami Interchange

By train:  About 20 minutes by tax from the JR Tohoku Shinkansen/Tohoku Line Morioka Station.
By foot: About 20 minutes from JR Tohoku Line Iwate Iioka Station.

P&A Technologies Inc.

16-13-1 Ogasawara Bldg. 2F
Nagai, Morioka, Iwate
020-0834 Japan
TEL: (+81)-(0)19-637-8330, FAX: (+81)-(0)19-613-8331
<http://www.pa-tec.com/>

Foundation: September 2, 2009
Capital: 16,000,000 JPY
Representative director: Mitsugu Fujiwara, Director: Ozeki Kazuaki
Banks: The Kita-Nippon Bank Head Office / The Bank of Iwate Tonan Branch / 77 Bank Morioka Branch
Business: Development, production, and sales of computer equipment, industrial computers and related peripheral devices
Employee: 18 (as of April 2014)

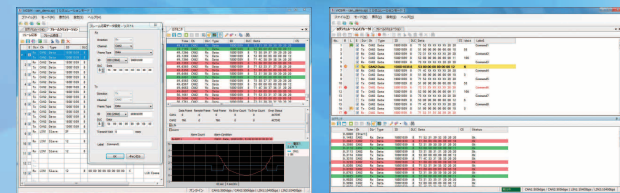


Providing precise solution based on extensive experience and know-how.

P&A Technologies Inc., based in Morioka, Iwate, develops wide range of in-vehicle network tools including CAN/LIN communication simulator and monitor and measurement devices including USB digital oscilloscope and high-speed data logger.

We also develop hardware/software for in-vehicle, measurement and control devices.

The know-how we developed through many years of involvement in embedded systems allows us to provide the exact product required by our customers.



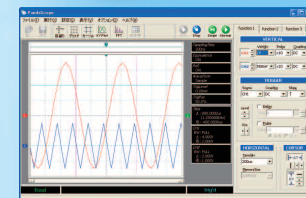
[CAN/LIN Communication Simulator and Monitor]

ViCSiM provides easy CAN/LIN simulation and monitoring for everyone. The simplest and most intuitive interface is now available for useful functionality.

- Simultaneous communication on 2x CAN and 2x LIN
- Simple and intuitive interface
- Easy simulation without programming
- Specialized for log playback simulator
- We can customize ViCSiM according to your needs.

*ViCSiM is a registered trademark of P&A Technologies Inc.

PA-S2000

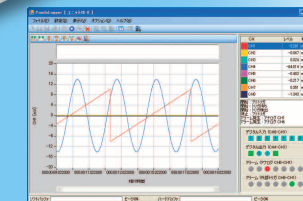


[USB digital storage oscilloscope]

The PA-S2000 provides a digital oscilloscope function to your computer via USB connection. It is small, lightweight and portable and comes with functions including waveform storage and analysis.

- Analog frequency bandwidth of 200 MHz
- Sampling rate of 100 MS/sec (2 channels at the same time).
- Built-in FFT analyzer
- Free software development kit for developing your own applications.

PA-S1000



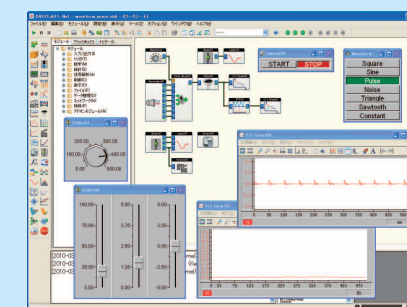
[USB Data Logger]

The PA-S1000 is a USB connected data logger that allows data storage in the storage device on the computer. While it's compact, insulation between channels and differential input methods made the device noise-proof. The highest possible speed of 1 μ s simultaneous sampling of all channels and prolonged logging are also made possible.

- Sampling rate of maximum 1 μ s. Simultaneous sampling of all channels.
- Equipped with high-resolution 16-bit A/D converter.
- For input type, a voltage or resistance temperature sensor can be arbitrarily set for each channel.
- Waveforms can be displayed in real time while being saved in the storage.
- 4-channel and 8-channel models are available.

DASYLab 11 日本語版 Version11.0J

Data Acquisition System Laboratory



[Measurement and control application development tool]

DASYLab 11 helps you develop measurement and control applications by offering a simple point-and-click interface and parameter input.

- Various modules for data collection, control and analysis.
Display: analog meter, digital meter, bar graph, y-t chart, and more
Input/output: A/D, D/A digital input/output, RS-232C, GP-IB, and more.
Control: switch, slider, time delay, and more
Math: arithmetic, logical operation, comparator, and more
Signal analysis: filter, FFT, octave analysis, and more
- Boards
Supports our USB measurement devices and National Instruments' products, and a number of other hardware devices.

PA-S500



[USB Digital I/O Module]

The PA-S500 is a 48-point TTL-level digital I/O module that you can easily control from your computer via USB.

- 48 TTL level input/output channel digital I/O module.
- Accessible from a notebook computer without an expansion bus.
- Configurable direction of input/output on the software (switching at every 8bit interval).
- Free software development kit for developing your own applications.

Development

Microcomputer boards including SH, H8, and ARM (analogue, digital, FPGA, firmware)
Software for Windows, Linux and iTRON (device driver, application, porting)
Vehicle related devices including verification tools for vehicle diagnostic devices,
ECU manufacture test tools, and in-vehicle data loggers
Various USB measurement devices
Android and iOS apps

Major customers

- Honda Motor Co., Ltd.
- Keihin Corporation
- Alps Electric Co., Ltd.
- Aisin Tohoku Co., Ltd.

Features

The founding members have 10 to 20 years of experience in embedded technologies. Our development team of 50% hardware and 50% software experts helps us advance our hardware and software system development efficiently. Our strengths lie in our integrated operation including designing circuits, firmware, device drivers, applications, and chassis. Some of us have extensive knowledge and experiences in designing not only electric parts but also mechanisms. We can respond to needs in a range of fields thanks to their input.