A.T.E. SOLUTIONS

FLEX 10 - *Lite*

The Flex 10 is the entry level functional test system in our FLEX platform range. The Flex 10 - *Lite* has been developed to make it as simple to use as possible and to allow users to write their own test programs. To achieve this we have incorporated ATEasy as the test executive.

Interface

Generally fitted with a VPC S6 Interface that allows up to 1440 test connections, the Interface provides long term reliability coupled with excellent Signal Integrity

Fixturing options could include:

- Plain Platten Fixture
- CAM or Pneumatic Operated Bed of Nails
- A Test Receiver option with low cost cassettes.

Another option is to replace the S6 Interface with VPC iCon connectors, a particulary useful option for module/system testing.

Controller

A compact test system calls for a compact controller so options include:

- PXI Slot 0 Controller
- External PC
- Internal BRIX PC

Instruments

Our systems are designed for PCI, PXI, LXI, GPIB or USB based Instruments. Any combination of these Instruments is possible, space being the only limiting factor.
Options that work well with the FLEX 10 are;

- 5 Slot Integrated PXI chassis
- NI Virtual Bench combining a number of Instruments into one low cost box.
- A FLEX PMU (Power Management unit) will usually be fitted for power control and cooling of the system.
- JTAG Boundary scan controller
- VPC DIOS Board

YAV modules complement the FLEX range perfectly offering Instruments and Relay switching on pcb's that screw directly into the VPC Interface. The boards are controlled with a two wire CAN bus for simplicity of installation and ease of service exchange. A wide range of YAV switching modules ensure suitability for any application and the best possible signal integrity with none of the cost or reliability problems normally associated with cabled systems.

Finally, add to the system a WriteNow! In system programmer that provides ganged programming of up to 8 parallel devices for virtually any protocol.

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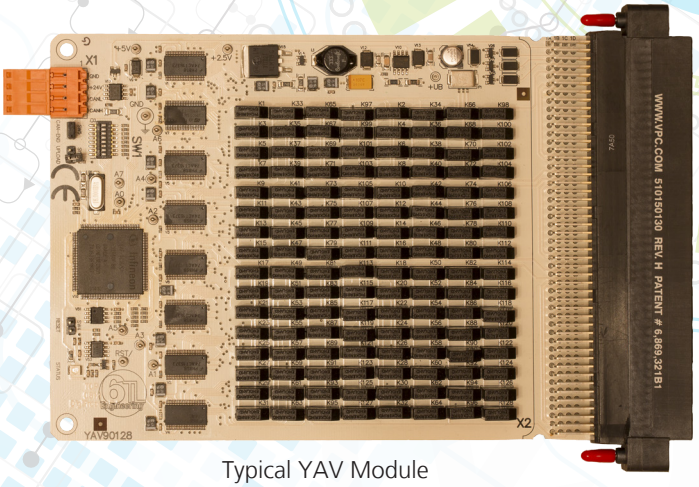
Software

ATEasy offers a rapid application development framework and a test executive for functional test, ATE, data acquisition, process control, and instrumentation systems. It provides all the necessary tools to develop, integrate, document, and maintain software components, from instrument drivers to complex test programs including full-featured test system / UUT simulation capability. ATEasy's development environment combines the structure of ATLAS, the ease of programming associated with Microsoft's Visual Basic, and the flexibility of Microsoft's Visual C++ to create a complete object-oriented, Windows programming environment.

ATEasy 9.0 is the only commercial test executive / development environment to offer full-featured simulation capability which includes the simulation of test system hardware, software, the UUT, and test events / failure scenarios. With simulation capability, users are able to develop and verify test programs without needing valuable time on a tester or access to a UUT. Additionally, test engineers can use the simulation feature to trace / analyze test program performance off-tester. The result is higher productivity, higher quality programs, faster deployment, and better test system asset utilization.

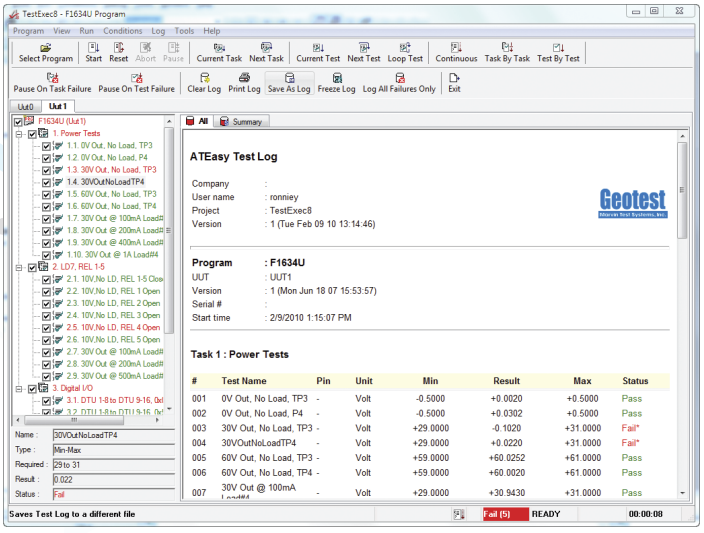


Typical YAV Module

VPC iCon connector

System specification

Size : W 600 mm, D 450 mm, H 660mm
Supply : Single Phase 230V,13A,50Hz Supply
Weight : 40 Kgs (no instruments)



ATEasy Executive Interface

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