Kitron

Your ambition. Our passion.

SATS (Standard Automated Test System)

SATS is a Kitron-developed, high-quality test platform targeting mid range applications. Standardized hardware and software components provide effective test development and short lead time. Since 2014 SATS has offered a wide range of benefits to our customers:

▸ Reduced investment cost – SATS platform standardized and reusable
▸ Short lead times – availability of skilled developers with SATS expertise
▸ Flexible investment cost – SATS can be rented or purchased
▸ Secured up-time – multiple interchangeable SATS stations available
▸ Simplified product transfer – SATS availability across Kitron sites

Standard FRIGG

Frigg implements the SATS concept into a full-size test station designed to meet common test requirements:

▸ Board and system level functional tests
▸ Advanced instrumentation for control and measurements
▸ Additional standardized instrumentation (standard option)
▸ Customer-specific instrumentation (customer option)
▸ Test data stored in MES database, with standardized reports and yield analysis
▸ Capabilities for climate and vibration testing

Key specifications:
▸ Heavy-duty full-size cabinet (19")
▸ MacPanel receiver (21 slots)
▸ PXI express instrumentation
▸ Power Supply (4 channels, 0-32V, 10A)
▸ Fixed Power Supplies (5V, 12V, 24V)
▸ Digital Multimeter (300V, 3A)
▸ Mux (300V, 2A, 128 channels)
▸ Relays (80 SPST 2A, 20 SPST 10A)
▸ Digital I/O (80 channels)
▸ Analog I/O (32/4 channels)
▸ Communication: Ethernet, RS232/422/485, CAN, USB

Standard options:
▸ Power supplies (0-600VDC, 0-300VAC)
▸ Oscilloscope (4 channels, 200MHz)
▸ Milliohmmeter
▸ JTAG Boundary Scan interface (4 Tap)
▸ I2C, SPI

Software:
▸ SATS software library
▸ National Instruments TestStand (sequencer)
▸ National Instruments LabVIEW (instrument drivers)