

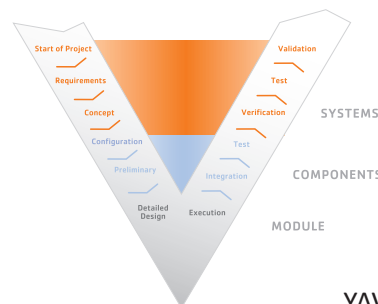
YAVE Basic

Test System by FTI



Key Features

- Ready to use test system
- Test management process supported by YAVE ITE (Integrated Test Environment)
- Test case definition by easy to use CCDL (Check Case Definition Language)
- System configuration based on standardized Interface Control Documents (ICDs)
- RTW model integration
- Integrated Real-time Environment (RTE)
- Scalable deterministic I/O interfaces
- Based on MicroTCA and AMC standards
- Health monitoring



YAVE - ITE

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YAVE Basic

Test System by FTI

YAVE Basic Test System

The YAVE Basic Test System delivers an integrated test verification environment for requirement management, test definition, test management, automatic test run, test control and test evaluation. Based on the MicroTCA and AMC standards, the stand alone test system can meet requirements for remote management, maintenance, alarms, hot swap and redundancy. The high bandwidth of MicroTCA systems is based on one or multiple switched fabric technologies, which allow multiple data transfers at a time. Each can be up to 20Gb/s (PCIexpress Generation 2, Serial Rapid I/O Generation 2).



Partners



N.A.T. is expert in manufacturing systems based on AMC and MicroTCA offering highest performance, flexible topology plus the guarantee of long life cycle of 10 years and more.



Gamma 5 is a powerful middleware for test and automation by RST Automation. Its open interfaces offer flexibility and adaptability while its real-time capabilities ensure high performance and accuracy.

Test Management

Test management system	ITE Basic with a Test Operator Platform (TOP)
Test languages	CCDL, XML, C
Configuration	Configuration Database with standardized interfaces
Optional ITE components	<ul style="list-style-type: none"> - requirement management - test planning - requirement evaluation - reporting

Real-time Environment

Real-time engine	GAMMA 5
Real-time middle ware	Full deterministic behaviour (I/O, network, processes)
Data model	Dynamic scalable data model
Data archive	Online logging with data replay

Hardware Characteristics

Architecture	MicroTCA
Form factor	19" rack mountable with 4HU
Size	(H)180 x (W)483 x (D)320
Weight	11.6kg
Airflow direction	Front to back
Processor	2xCore2Duo L7400 1.5GHz
RAM	2GB DDR2
Network	2xGigabit Ethernet uplink
VGA	2xATI E2400CSP 128
PCIe bandwidth	Multiple 20Gb/s
I/O terminal	DIN EN Rail Adapter
I/O channels per AMC module	2xDAC, 2xADC, 24xDIO, 4xRS485
Optional I/O modules	ARINC-664 (AFDX), ARINC-429

