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TECHNOLOGY GROUP

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Find the *Silicon Control PMC650-1* at our website: *Click HERE*

The PMC650 - PMC Bus Analyzer / Exerciser

Analyzer
- Capture Bus Activity
- Event Recognition
- Complex Triggering and Filtering
- Time Stamping and Measurement
- State and Waveform Displays

Exerciser
- Memory, I/O, Config Transfers
- Generate Test Patterns
- Configuration Scanning
- Control Address / Data Width
- Read / Write to a File

Stimulus
- Fault Injection
- Control Bus Timing
- Hardware Simulation
- Pattern Generation
- Drive any Signal

Protocol Violation Checker
- Detects >50 Protocol Violations
- Master, Target and General
- Listed in State/Waveform Display
- Used as Trigger / Filter

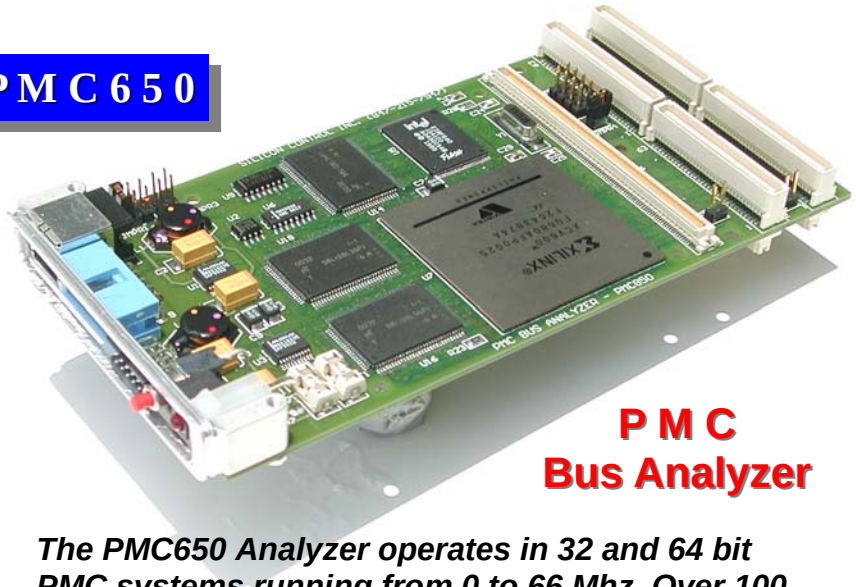
Timing Violation Checker
- Checks Unstable Signals
- Setup and Hold Verification
- Glitch Detection

Performance Analysis
- Bus Utilization
- Transfer Rate
- Latency
- Burst Distribution
- Statistics

Windows and API Interface
- AnalyzeIt Windows Software
- User programmable API

Expansion Connector

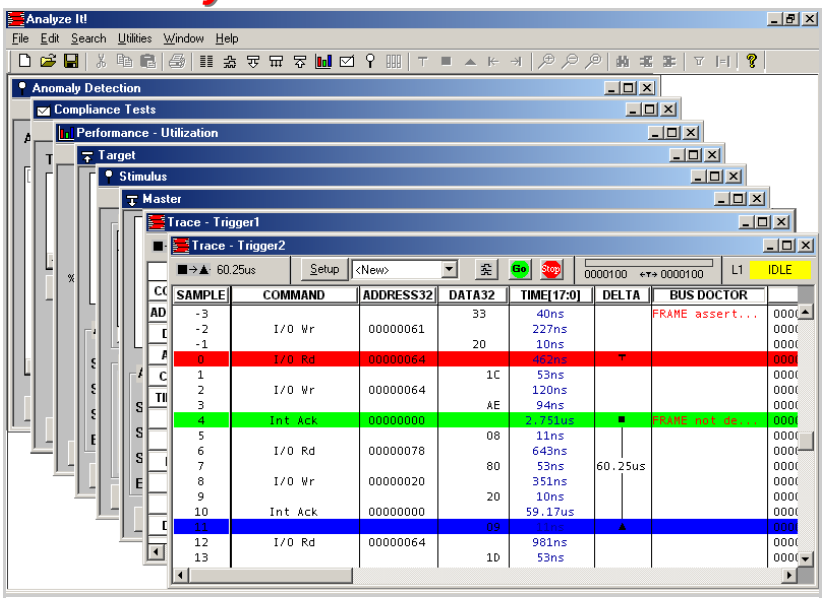
PMC650



PMC Bus Analyzer

The PMC650 Analyzer operates in 32 and 64 bit PMC systems running from 0 to 66 Mhz. Over 100 protocol and timing violations are automatically checked and correlated with captured bus activity. System performance measurements include Bus Utilization, Transfer Rates, Latency, and Statistics. Another PMC card can be plugged onto the PMC650.

Analyze It! Windows Software



Silicon Control introduces a lower cost analyzer and exerciser for PMC systems. The PMC650 offers many of the same features as our popular PMC850 analyzer without the Compliance Testing, Target Memory, PCI-X capability and Power Zoom. The result is a powerful diagnostic tool for bus analysis—all on a single plug-in card at an affordable price.

SILICON CONTROL INC. — *THE LEADERS IN BUS ANALYSIS*

1020 Milwaukee Ave. Deerfield, Illinois 60015 | (847) 215-7947 (847) 808-9090 fax | www.silicon-control.com info@silicon-control.com

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PMC650 SPECIFICATIONS

General Specifications

PMC Compliance:	PCI 2.2
Bus Size:	64 or 32 bit
Bus Signal Levels:	5V or 3.3V

Trace Specifications

Trace Memory:

PMC650-1	128K by 144 bits
PMC650-2	256K by 144 bits
PMC650-3	512K by 144 bits
PMC650-4	1M by 144 bits
PMC650-5	2M by 144 bits

Sampling Rate:	66 Mhz
Sampling Modes:	System Clock System Clock w/ Address/Data System Clock w/ Transfers On board precision Oscillator (7.5ns to 15us)
Sampled Signals:	AD[63:0], C/BE[7:0], FRAME, DEVSEL, TRDY, IRDY, PAR, REQ, GNT, RST, LOCK, CLK, INTA, INTB, INTC, INTD, PAR64, PERR, SERR, REQ64, ACK64, TDO, TDI, TCK, TMS, TRST, SDONE, SBO, EXT[7:0]
External Inputs:	8 Front Panel Trace/Trigger
External Outputs:	1 Programmable Trigger Output
Triggers:	8 Trigger Conditions each Specifying 100 PMC Signals, 8 External Triggers and Anomaly
Trigger Types:	Single Condition Logical Combination 16 Level Sequencer
Trigger Positions:	0%, 25%, 50%, 75%, 100%
Occurrence Counters:	16 hardware counters 20 bits
Event Counters:	16 hardware counters 20 bits
Time Tag:	7.5 ns to 60 sec.

Exerciser Specifications

Initiator Bandwidth:	528 MB/s rate
Initiator Bus Width:	64 or 32 bit
Initiator Transfers:	Memory, I/O, Configuration

Front Panel Interfaces

RS232 Port:	DB9 connector, 110 to 115K Baud (cable included)
USB Port:	Series B connector, 12 MB/s (cable included)
Indicators:	GO LED, User LED
Pushbutton:	Reset Analyzer or System
External Power:	2 Conductor front panel (cable included)
Trigger:	10 pin socket (8 in, 1 out, 1 ground) (cable included)
Fuses:	Main power and External power

Power Requirements

Operating—5V at 3 Amps max
Standby—5V at 1 Amp max

Dimensions

PMC650—Single Slot PMC Card

Ordering Information

PMC Analyzers

PMC650-1	PMC Bus Analyzer/Exerciser 128K Trace Buffer
PMC650-2	PMC Bus Analyzer/Exerciser 256K Trace Buffer
PMC650-3	PMC Bus Analyzer/Exerciser 512K Trace Buffer
PMC650-4	PMC Bus Analyzer/Exerciser 1M Trace Buffer
PMC650-5	PMC Bus Analyzer/Exerciser 2M Trace Buffer

/NC suffix designates no J1, J2, J3 and J4 test connectors on the back side of the PMC650.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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