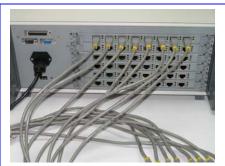


WK-6000 Series – a standalone high port density 10/100Mbps and Gigabit network device performance tester is perfect for production testing and quality assurance during manufacturing process.





## **Specifications**

Module Slots:	6	
Port Density per card:	8	
10/100/1000 Port Density:	8, 16, 24, 32 and 48	
Optical GigaE Port Density:	8, 16, 24, 32 and 48	
Dimension (mm):	425 (W) x 190 (H) x 350(D)	
Weight:	12kg	
Display:	320 x 240 Resolution Graphic LCD Display	
LED Indicator:	6 LEDs for Expansion Cards	
	48 LEDs for Ports Link Status.	
Front Panel Control Buttons:	Reset, Soft Key (6), Alpha Numerical, Cursor, Enter, Backspace and Exit.	
Speaker:	Built-in Internal Speaker	
I/O Interfaces:	RS-232 Port, Printer Port, Remote Control Port	
Memory:	512K Flash RAM	
Power Supply:	110 / 230 VAC ±10%, 50/60Hz	
Operating Condition:	Temperature: 0 ~ 40°C	
	Relative Humidity: 0 ~ 85%, non-condensing	



General Function	File Management System
	Auto Negotiation
	Auto MDI/MDX
	Hot-Plug/Un-Plug Auto Testing
	Statistics View and Report
	Auto Print (Fail/Pass)
Packet Generation	Ethernet Standard fixed or random frame length from 64 to 1518 bytes at up to 100% line speed.
Error Generation	CRC-bad, CRC-none, Alignment, Dribble, Undersized, Oversized, Collision.
Counter Size: 32 bits	<ul> <li>Fragments, Undersized, Oversized, Alignment, Dribble, FCS Error, Collisions, Collision Frames, Flow Control frames, TX/RX Frames Rate (PPS), TX/RX Frames Rate Percentage (%)</li> </ul>
Data Filed	All 1's, All 0's, Alternating 1's/0's, Alternating 0's/1's, Decrement word, Random
Inter-Packet Gap (IPG)	1000Mbps – 16ns increment up to 16.7ms.
Inter-Burst Gap (IBG)	100Mbps – 40ns increments up to 1.7ms.
Inter-Stream Gap (ISG)	<ul> <li>10Mbps – 400ns increments up to 16.7ms.</li> <li>96 bit-time typically input by Utilization% /Bit-time/IPG.</li> </ul>
VLAN	Support 802.1p, q, 802.3ac VLAN-tagged frames.
Flow Control	802.3x for full-duplex and back-pressure for half-duplex mode.
Performance Analyzing (WK-6000E only)	<ul> <li>Single port property setup and control</li> <li>Stream/Burst Define for each port</li> <li>Single Port Trigger/Filter and Capture</li> <li>Multi-Ports analyzing</li> </ul>
WK-6000 NDT Explorer – Production version for PC (Software Option). System Requirements:	<ul> <li>Pentium II/III PC or Higher</li> <li>Windows 95/98/Me/NT/2000 or higher</li> <li>100MB HDD Storage or higher</li> <li>One RS-232 Port</li> </ul>



Testing Functions	Statistics Counter (per Port)
1000 Mbps Tx/Rx Test	Packet TX/RX
100 Mbps Tx/Rx Test	Byte TX/RX
10 Mbps Tx/Rx Test	Pause Frame
100 → 10 Mbps Tx/Rx Test	CRC Bad
100 → 1000 Mbps Tx/Rx Test	Dribble
1000 → 10 Mbps Tx/Rx Test	Alignment
1000 → 100 Mbps Tx/Rx Test	Undersized
10 → 100 Mbps Tx/Rx Test	Oversized
10 → 1000 Mbps Tx/Rx Test	VLAN Tagged
MAC Address Learning/Filtering/Aging Test	Collision
Full Duplex 1000/100/10 Mbps LED Test	Collision Frames
Half Duplex 1000/100/10 Mbps LED Test	TX Utilization
Broadcast Test	TX Rate (packets/second)
Forced Collision Test	RX Utilization
VLAN Tag/VLAN Priority Test	RX Rate (packets/second)
Error Frame Test (6 types)	
Flow Control Test	
Pause	
RFC 2544 Throughput Test	
Script Burn-in Testing	Fail Report
Tolerance Test	By Loop Counts
Port Streaming Test (10/100/1000Mbps)	By Timer
TX/RX Rate Test	Fail Report Summary
VLAN Tagged Capability Test	
VLAN Priority Test	
Flow Control Test	
Broadcast	
MAC Learning/MAC Size/Filtering/Aging	
Forced - Errors Filtering	
Forced - Collision	
LED Indicator Test	
Pause	
RFC-2544 Throughput Test	