

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 \pm 10%, 50/60Hz
Operating Condition:	Temperature: 0 ~ 40°C Relative Humidity: 0 ~ 85%, non-condensing

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

Testing Functions	Statistics Counter (per Port)
<ul style="list-style-type: none"> • 1000 Mbps Tx/Rx Test • 100 Mbps Tx/Rx Test • 10 Mbps Tx/Rx Test • 100 → 10 Mbps Tx/Rx Test • 100 → 1000 Mbps Tx/Rx Test • 1000 → 10 Mbps Tx/Rx Test • 1000 → 100 Mbps Tx/Rx Test • 10 → 100 Mbps Tx/Rx Test • 10 → 1000 Mbps Tx/Rx Test • MAC Address Learning/Filtering/Aging Test • Full Duplex 1000/100/10 Mbps LED Test • Half Duplex 1000/100/10 Mbps LED Test • Broadcast Test • Forced Collision Test • VLAN Tag/VLAN Priority Test • Error Frame Test (6 types) • Flow Control Test • Pause • RFC 2544 Throughput Test 	<ul style="list-style-type: none"> • Packet TX/RX • Byte TX/RX • Pause Frame • CRC Bad • Dribble • Alignment • Undersized • Oversized • VLAN Tagged • Collision • Collision Frames • TX Utilization • TX Rate (packets/second) • RX Utilization • RX Rate (packets/second)
Script Burn-in Testing	Fail Report
<ul style="list-style-type: none"> • Tolerance Test • Port Streaming Test (10/100/1000Mbps) • TX/RX Rate Test • 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 	<ul style="list-style-type: none"> • By Loop Counts • By Timer • Fail Report Summary