

NOW SUPPORTS DHCP & "PROXY ARP"

NPT100 Network Printer Tester



- ✚ Validates host application compatibility and network operation
 - simple, straightforward, on-site testing for TCP/IP network printers
 - "QuickPrint" test produces printed output in less than a minute!
 - "QuickPing" test with minimum setup to ping an IP printer *
 - compact, inexpensive, minimizes trouble isolation time
- ✚ Ethernet® 10/100BaseT compatible RJ45 interface
- ✚ NPT100 IP Address, Gateway Address, Subnet Mask
 - for active network: set by DHCP, DHCP-Proxy ARP, or manually
 - for off network (via crossover cable): auto set based on Printer IP
- ✚ Selectable test messages with programmable page parameters
 - simplify printer form alignment
 - text messages include horizontal & vertical scales
- ✚ "Symbol Set" test shows all printable characters & NPT100 settings
- ✚ Can "ping" target printer for testing network connectivity
- ✚ Can "Spoof" printer MAC address to acquire/display printer DHCP values*
- ✚ Retrieves and prints NIC card configuration values for target printer
 - standard support includes printers using most major NIC cards
 - values retrieved & printed without interrupting network operation
- ✚ "Port Identify" flashes status LED on physical link connections
- ✚ Direct Socket Printing with flexible TCP Port selection
- ✚ Compatible with most impact and non-impact printers
 - Printronix®, Hewlett Packard®, TallyGenicom®, OKIdata®, etc.
- ✚ NPT100 includes: 4 AA Alkaline batteries, 1 Ethernet® cross-over cable
- ✚ Optional: 4 AA NiMH batteries with external charger, AC power adapter
- ✚ Physical Characteristics: 5.5 x 3.5 x 1.25 inches, 10.5 oz.

* New at version 4.04

..for sales or support questions call the DATAcap "AnswerLine" at 1-800-795-5431
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INTRODUCING THE DATAcap MODEL NPT100 NETWORK PRINTER TEST SET

My printer doesn't work!

- network printer user

There's nothing wrong with the network!

- network administrator

We didn't change our software!

- data center staff

You need to travel out to that site again!

- field services supervisor

How often do you find yourself in a position like that above? Most technicians tell us that it happens all the time, both on trouble calls and new installations. Wouldn't it be great to have a simple tool that would quickly determine whether it was a printer or network/host problem? The DATAcap NPT100 gives you the ability to prove, in just minutes, that the printer in question recognizes its assigned IP address and can print out data sent to it.

Are you tired of having to go to the printer site, power off the printer and NIC, disconnect the network, throw some dip switches, and power everything back up just to get a status sheet? And then reverse the procedure to go back into service. The NPT100 can now cause the printer to print a status sheet without interrupting network operation! Imagine the time and trips to the printer site that can be avoided!

The NPT100 is also a powerful format testing tool. It allows you to transmit test messages to the printer which have exactly the same line and page length and ending characters as the production messages the printer will receive. It can even cause the printer to print its full character set in the form of a code table (shown below) to determine exactly which code is causing an unwanted character to appear (i.e. the "house character").

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Network Printer Tester
DATAcap Model NPT100 800-795-5431
Version 3.08 051905

STORED CONFIGURATION VALUES:
Printer IP Addr      =065.045.197.224
Printer TCP Port    =9100
NPT100 Gateway      =192.168.000.001 (DHCP Acquired)
NPT100 Netmask      =255.255.255.192 (DHCP Acquired)
NPT100 IP Addr      =192.168.000.003 (DHCP Acquired)
Page Length         =066
Line Width          =080
End of Line         =CR LF
Page Format          =FF at End Only

Test Mode:
Test using DHCP
Printer is on External Subnet
Printer MAC Addr Not Available
Router MAC Addr (Ping Acquired) =00:09:5B:C6:8F:52

Printer Symbol Set:
Bit8=0
Hex  0 1 2 3 4 5 6 7 8 9 A B C D E F

20-2F | 1 " # $ % & ' ( ) * + , - . /
30-3F | 0 1 2 3 4 5 6 7 8 9 : ; < = > ?
40-4F | @ A B C D E F G H I J K L M N O
50-5F | P Q R S T U V W X Y Z [ \ ] ^ _
60-6F | a b c d e f g h i j k l m n o
70-7F | p q r s t u v w x y z { | }

Bit8=1
Hex  0 1 2 3 4 5 6 7 8 9 A B C D E F

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The NPT100 is compact, low cost, easy to use, and, most importantly, will save you all the time now spent finger pointing as to where the trouble resides. It won't isolate a problem between the network and the host, but it will absolutely prove that it isn't in *your* part of the system, the printer. And it does this without setting up a laptop, loading special software, or knowing any complex test commands.

Model NPT100

..specifications

Protocols	Telnet and TCP/IP Socket Printing with programmable TCP ports
Network Interface	RJ45 Ethernet 10BaseT and 100baseT (auto-sensing)
Display	LCD 16 character by 2 lines
Panel Switches	Four push buttons labeled – EXIT, ENTER, PREV, NEXT
LED indicators	Two dual color (amber/green) next to RJ45 Socket Indications for: 10/100 mbps, full/half duplex, idle/active
Target Printer IP	Program any value between 0.0.0.0 and 255.255.255.255
Target TCP Port	Choice of 9100, 4400 or Custom (0000-9999)
NPT100 IP Address	DHCP, manual, or automatic setting
NPT100 Gateway	DHCP, DHCP with "Proxy ARP", or manual setting
NPT100 Net Mask	DHCP or manual setting (manual allows any <u>valid</u> value between 128.000.000.000 – 255.255.255.248)
Port Identify	Blinks Link Status LED to identify connected hub or router physical port.
Printer Ntwk Settings	Retrieves and prints Gateway, Net Mask and other TCP/IP values for printers with most major NIC cards. Output to printer under test or any other network attached printer. Includes Microplex® "License Key".
MAC Addr Display	Identifies target printer as on or off local subnet, displays and labels MAC Address of printer or router based upon above
"QuickPrint" Test	Minimum setup to produce printed output
"QuickPing" Test	Validates IP printer connectivity with minimum setup
"Spoof" Printer MAC	Acquires/displays DHCP values of printer by entering the printer MAC address into the NPT100
Printer Function Test	Carriage Return Test, Line Feed Test, Form Feed Test
Text Test Messages	7 bit ASCII FOX, 7/ 8 bit diagonal sequential ASCII alpha-numeric, printable symbol set test
Message Formats	Line Width - 40 to 132 characters Page Length - 1 to 99 lines End of Line - CR only, LF only, CR+LF, None Page Format - FF at end or FF at start of page, FF at start and end of page, No FF
Accessories	INCLUDED: 4 Alkaline AA batteries, 1 RJ45 crossover cable (5 foot), 1 RJ45 Fem.- Fem. gender changer OPTIONAL: 4 NiMH AA recharge. batteries with ext. charger
Size and Weight	5.5 x 3.5 x 1.25 inches, 10.5 ounces w/Alkaline batteries
Environmental	Operating temperature 0° to 50° C Storage temperature -40° to 65° C.
Power	4 AA size Alkaline OR NiMH rechargeable batteries
Battery Life	Alkaline - <i>Ethernet ON</i> - More than 5 hours. Alkaline - <i>Ethernet OFF</i> - More than 50 hours. Alkaline - <i>"Standby" Mode</i> - More than 1000 hours NiMH - <i>Ethernet ON</i> - More than 10 hours NiMH - <i>Ethernet OFF</i> - More than 100 hours NiMH - <i>"Standby" Mode</i> - More than 2000 hours
Energy Management	<u>Ethernet Power States:</u> A 3 minute activity timer automatically turns off power to the Ethernet Interface and redisplay the top level menu. This greatly extends battery life. Any activity resumes normal operation. <u>"Standby" Mode:</u> After approximately 10 minutes of inactivity the NPT100 enters the "Standby" Mode which extends battery life by up to 2000 hours. To exit the "Standby" Mode power must be cycled OFF for at least 3 seconds.