

How to use the Nmap port scanner with Microsoft Windows

On network security aspects it is sometime necessary to know what TCP or UDP ports are open on your DIL/NetPC DNP/9200? A port scanner like *Nmap* shows the details. *Nmap* is a free and open source security utility for network exploration and security auditing.

- **1. Step**: Install *Nmap* on your Windows PC. The *Nmap* installation file form the (A)DNP/9200 starter kit CD-ROM version 1.5 or newer contains a *Nmap* version with *Zenmap* the multiplatform graphical *Nmap* front-end and results viewer.
- **2. Step**: Run a *Nmap/Zenmap* port scan and wait until this security utility finishes. Then watch the results within the *Zenmap* window.

🗢 Zenmap	
Scan Tools Brofile Help	
New Scan Command Wizard Save Scan Open Scan Report a bug Help	
Intense Scan on 192.168.0.74 🗶	
Target: Profile:	Scan
Command: Imap -T Aggressive -v -p T:0-65535 -n 192.168.0.74	
Hosts Services Ports / Hosts Nmap Output Host Details Scan Details	
05 4 Host 4 W 192.168.0.74 Starting Nmap 4.68 (<u>http://mmap.org</u>) at 2008-07-02 11:44 Westeuropäische Normalzeit Initiating MPP Ping Scan at 11:44 Scamning 192.168.0.74 Scamning 192.168.0.74 (1 port) Completed ARP Ping Scan at 11:44 Scamning 192.168.0.74 Discovered open port 21/tcp on 192.168.0.74 Discovered open port 21/tcp on 192.168.0.74 Discovered open port 21/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp open 192.168.0.74 Discovered open port 37/tcp on 192.168.0.74 Discovered open port 37/tcp open 192.168.0.74 Discovered open port 37/tcp open 192.168.0.74 Discovered 0pen port 37/tcp open 192.168.0.74 Discovered open port 37/tcp open	
Enable Nmap output highlight Preferences Refresh	

Please note: The output in this sample screen shot was generated with following *Nmap* command line:

nmap -T Aggressive -v -p T:0-65535 -n 192.168.0.74

The "-p T:0-65535" command line parameter is necessary to scan all open TCP ports within the range from 0 to 65.535.

That is all.