



TCP Discovery Demo – Windows Mobile SDK – VB.NET

This sample application demonstrates how to discover printers available on the network with a Windows mobile device. The application is capable of discovering printers by multicast, subnet search, direct broadcast and local broadcast. After printers have been discovered, the user can select an IP address in the list box, designate the port number that the printer will be listening on, and connect to the printer. The application will automatically send a pre-configured test label and disconnect from the printer once a connection has been established.

The application was developed using MS Visual Studio 2008 with the Windows Mobile 6 SDK. The application is designed to run on Windows Mobile 6.1 and requires .NET Framework 3.5. This application is provided AS-IS, for example purposes only.

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On Startup the following screen is displayed.

The screenshot shows the 'Discovery Demo VI' application window. The title bar includes the Windows logo, the text 'Discovery Demo VI', and several icons: a key, a double-headed arrow, a signal tower, a speaker, and an 'ok' button. Below the title bar is a red status bar that reads 'Status: Not Connected'. The main interface area has a grey background and contains the following elements: a 'Method:' label followed by a dropdown menu set to 'Multicast'; a 'Multicast Hops:' label followed by a numeric input field containing '5' and up/down arrow buttons; a 'Discovered Printers' label above a large, empty light-grey rectangular area. At the bottom right of the main area is a 'Port:' label followed by a numeric input field containing '6101'. The bottom of the window features a dark teal bar with the word 'Discovery' on the left, a keyboard icon in the center, and the word 'Connect' on the right.

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Choose a discovery method and Press “Discovery” button to discover the printers on the network.

 **Discovery Demo VI**     

Discovered 8 printers

Method:

Subnet Search

Subnet:

10.14.205.*

Discovered Printers

10.14.205.95

10.14.205.129

10.14.205.153

10.14.205.127

10.14.205.143


10.14.205.65

10.14.205.60

Port:

6101

Discovery









Connect

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Select the desired printer's IP address from the list and enter the port number that the printer will be listening on. Press "Connect" Button to connect to the printer and send a test label.




 **Discovery Demo VI**     

Connected to 10.14.205.143

Method:


Subnet:

Discovered Printers

10.14.205.95	  
10.14.205.129	
10.14.205.153	
10.14.205.127	
10.14.205.143	
10.14.205.65	
10.14.205.60	

Port:

Discovery



Connect

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Document Control

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1.0	03-May-11	Initial Release

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