# Sharing of internet connection with a payment terminal

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Date	Version	Note
2022-12-21	0.1	Initial version, Windows configuration description

# **1. Payment terminal RNDIS configuration**

1. Connect the payment terminal to the PC USB port.

**2.** On the payment terminal drop-down menu, tap the USB connection options and next select the *RNDIS reverse* option.



3. Set Ethernet IP to DHCP

Go to Settings  $\rightarrow$  Network and Internet  $\rightarrow$  Ethernet  $\rightarrow$  Ethernet Configuration and select DHCP.

## 2. Windows PC RNDIS configuration

1. On the Windows computer, open *Network Connections* window:

- Click the Start menu and type View network connections
- Alternatively, open *Control Panel* → *Network and Internet* → *Network and Sharing Center* and click *Change adapter settings*

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A new network connection should be available; in this case, *Ethernet 3* is the new one:



**2**. Right click the connection with internet access and share it to the payment terminal connection. In this case, *NVP\_OPT* is the connection with the internet access:



Select the payment terminal RNDIS connection.



3. Configure the payment terminal connection. Static IP 192.168.42.1, netmask 255.255.255.0



nanize <b>v</b> Disable this network device Diagnose this co	nnection Rename this connection »			
Ethernet 3 Properties          Networking       Sharing         Connect using:	<ul> <li>OpenV Disabl</li> <li>Host-Only Ethernet Ad</li> <li>Wireless-AC 31</li> <li>Protokół internetowy w wersji 4 ( General</li> <li>You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.</li> <li>Obtain an IP address autom</li> <li>Use the following IP address</li> </ul>	OpenVPN TAP-Windows6 Disabled TAP-Windows Adapter V9 Ethernet 3 Sieć niezidentyfikowana Remote NDIS based Internet Shari wersji 4 (TCP/IPv4) Properties assigned automatically if your network supports e, you need to ask your network administrator ettings.		
Description	Subnet mask:	255.255.255.0		
Transmission Control Protocol/Internet Protocol. Domyślny protokół dla sieci rozległych umożliwiający komunikację połączonych sieci różnych typów.         OK       Cancel	Default gateway: Obtain DNS server address : OUse the following DNS server:	automatically r addresses:		

The payment terminal should now have internet access.

## 3. Windows persistent internet connection sharing

How to make ICS available event after PC reboot.

**1.** Open Windows Power Shell with administrative privileges.

Σ	Windows PowerShell				
4000	CAR	5	Run as administrator		
Apps	학생님 이 영국에 대한 것이 가격했다.	5	On an file la setien		

**2**. Run the following command:

New-ItemProperty -Path HKLM:\Software\Microsoft\Windows\CurrentVersion\ SharedAccess -Name EnableRebootPersistConnection -Value 1 -PropertyType dword

#### **3.** Open Services

Type *Services* in Start menu or open the Run command by pressing Windows + R and type Services.msc and hit enter. This will open the Services management console.

4. Look for the *Internet Connection Sharing service (ICS)*. Double click to open its properties.

#### **5.** Set startup type to *Automatic*.

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File Ad	ction V	iew Help	5						
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🔍 Servic	ces (Loca	O Sen	vices (Loca	I)					
	Udostępnianie połączenia internetowego (ICS) <u>Stop</u> the service <u>Restart</u> the service Description:		Name	^	Description	Sta ^			
			🍓 Time Broker		Coordinates execution o	Ru			
			🍓 Touch Keyboard and	Handwriting Panel Service	Enables Touch Keyboard	Ru			
			he service			💁 Udostępnianie połącz	zenia internetowi go (ICS)	rovides network addres	Ru
			🐏 Update Agent			Ru			
			Update Orchestrator	Service	Manages Windows Upd	Ru			
		Provides	network ad	ldress trar	nslation,	When P Device Host		Allows UPnP devices to	Ru
		addressin	ng, name re	name resolution and/or		Ser Manager		User Manager provides t	ки р.,
	home or small office network.		🖏 Usługa Google Updat	te (gupdate)	Zapewnia aktualizacie T	Nu -			
L F						with the second	(gupdatem)	Zapewnia aktualizację T	
	Udostęp	nianie połą	iczenia inte	rnetoweg	o (ICS) P	roperties (Local Co X		1 22	>
<	General	Log On	Recovery	Depender	ncies				
	Service	e name:	SharedAcc	ess					
	Display	/name:	Udostepnia	nie połacz	enia intem	netowego (ICS)			
			D 11						
	Description: Provides network address transla name resolution and/or intrusion		ation, addressing, A prevention services						
	Path to	executable							
	C:\WI	NDOWS\Sy	stem32\svc	host.exe -k	netsvcs -	p			
	Startup type: Automatic		~						
			Automatic	(Delayed S	itart)				
			Automatic						
	Service	e status:	Disabled						
		Start	Stop		Pause	Resume			
		otun	otop		1 0030	nosuno			
	You ca	an specify th are	e start parar	neters that	apply whe	en you start the service			
	Start p	arameters:							
				ОК		Cancel Apply			
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The *Internet connection sharing* service will run automatically at Windows startup.