FAQ COMBIVIS

Ethernet connection of F5 Profinet Operator to PC

FAQ No.0008

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Content

Introduction 2

Description 2

IP Scanner 9

Disclaimer 10

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Introduction

The KEB COMBIVERT F5 Profinet Operator 00F5060-L100 can manage an Ethernet connection with a PC via the two PROFI-NET ports (X6C / X6D).
This document describes the procedure to connect a Windows PC and the operator by LAN cable and COMBIVIS 6.

Description

There are two ways:

1. Adjustment of IP-address via diagnosis interface (Rj.45-(HSP5) interface on the front side) by KEB USB-Serial converter No. 0058060-0040.
   The information how to connect the diagnosis interface is described in the manual of COMBIVIS under „Help“.
   → Please go to step 4.

2. Adjustment of IP-address without diagnosis tool, only by LAN cable connection:
   → Please start with step 1.

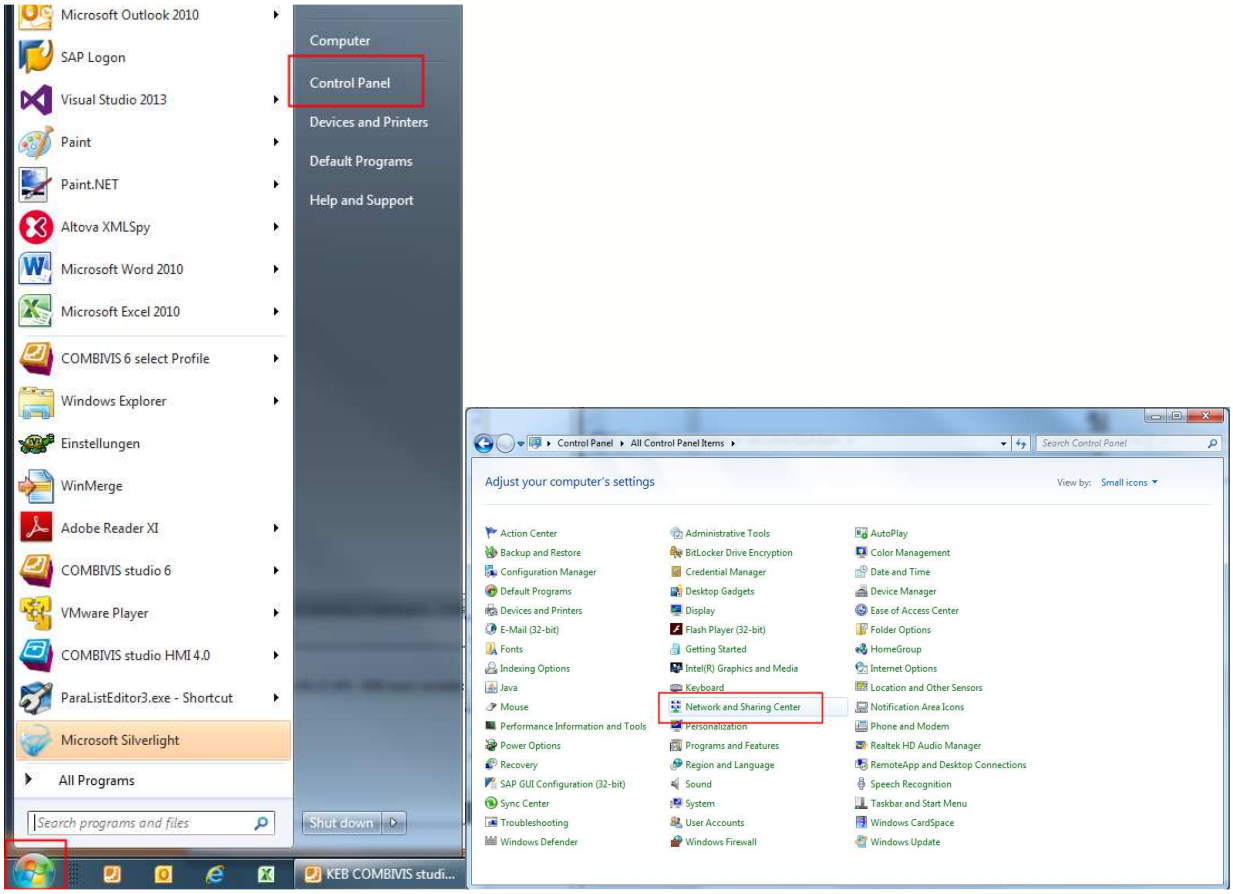
Step 1: Bring operator in test mode

Adjust the node switches on the bottom side of the operator to “F” and “E”. Then put operator to the COMBIVERT F5.

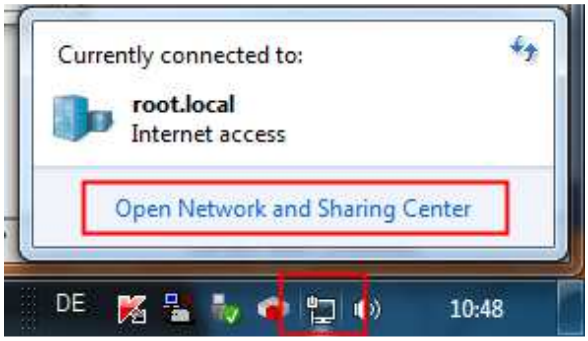
By the adjustment of “FEhex” the operator gets the IP address 192.168.0.100!

Step 2: Bring PC in test network

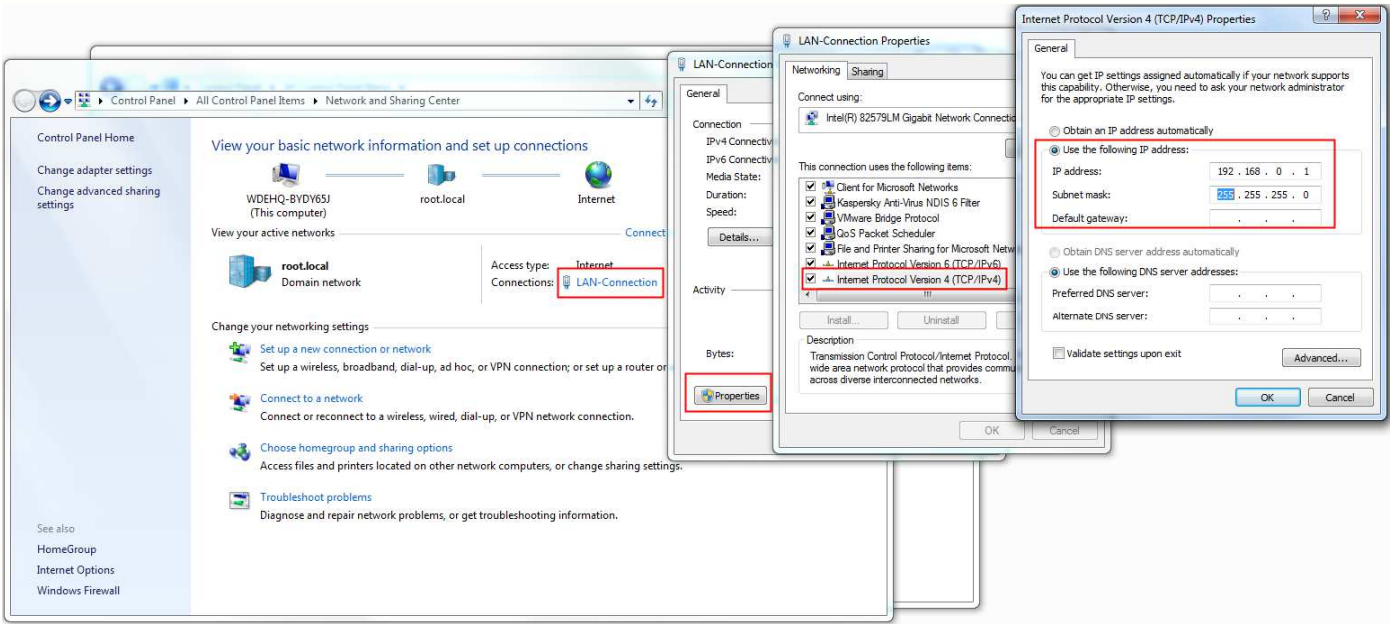
Adjust in own PC the IP-Address 192.168.0.1
Go to start menu -> “Control Panel” -> “Network and Sharing Center” (e.g. Windows 7):



Or:

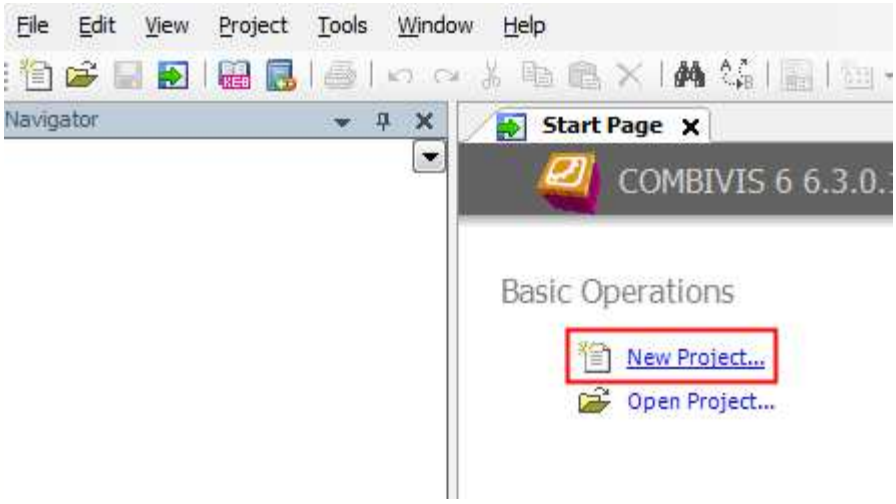


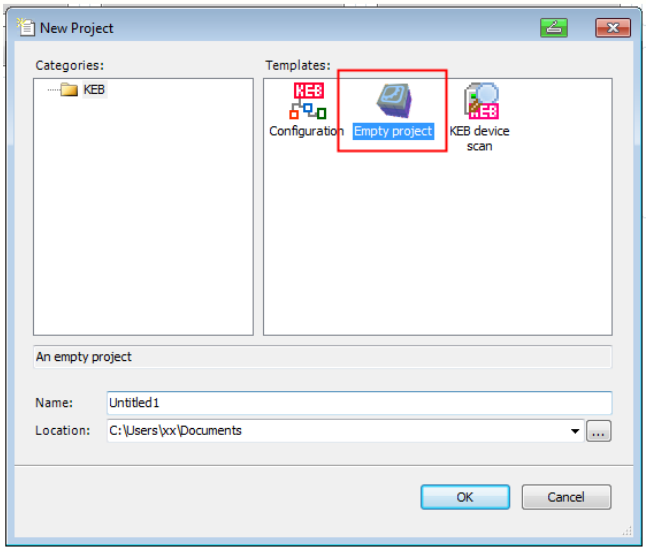
Then “LAN-Connection” –> “Properties” –> “Internet protocol version 4 (TCP/IP)” –> “Properties” –> “Use the following IP address” -> IP address set to 192.168.0.1 and the Subnet mask to 255.255.255.0

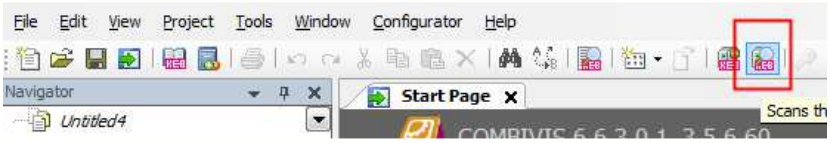


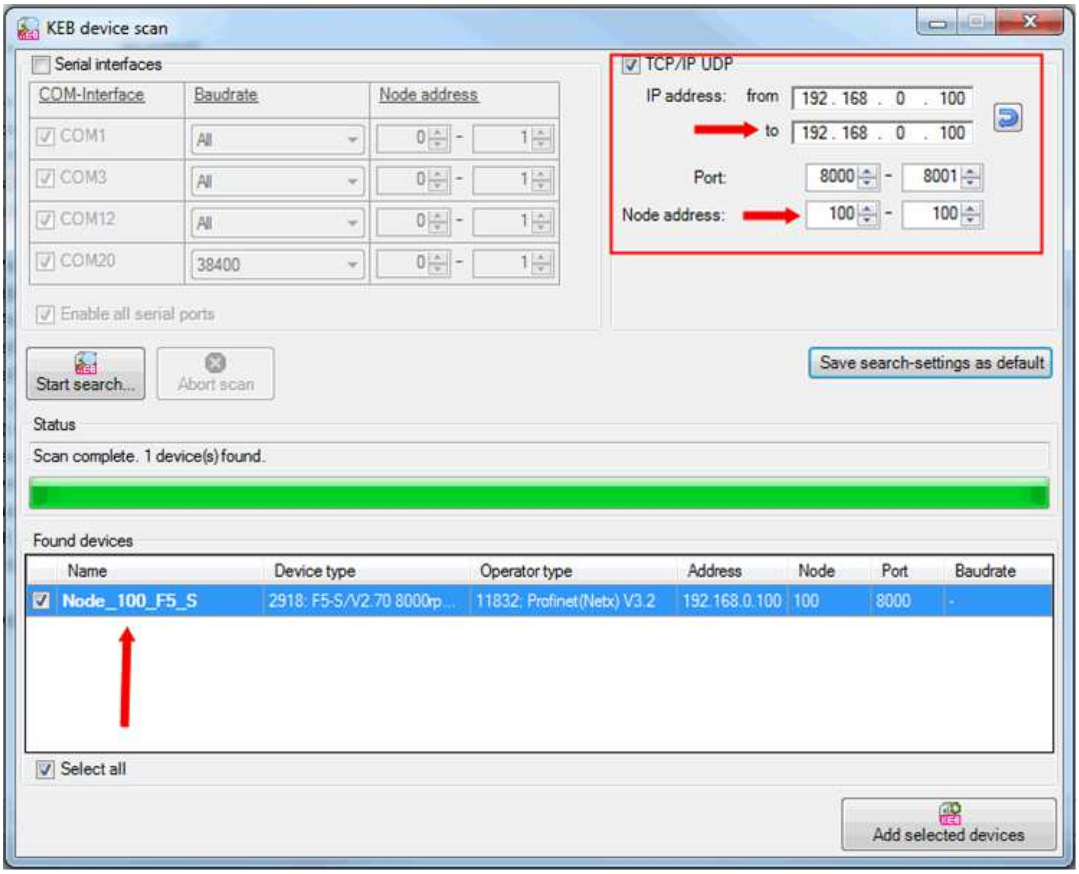
Step 3: Search KEB device

Search in COMBIVIS 6 the KEB device on **IP-Address 192.168.0.100 with node address: 100**.
Adjust new project / open scan window:

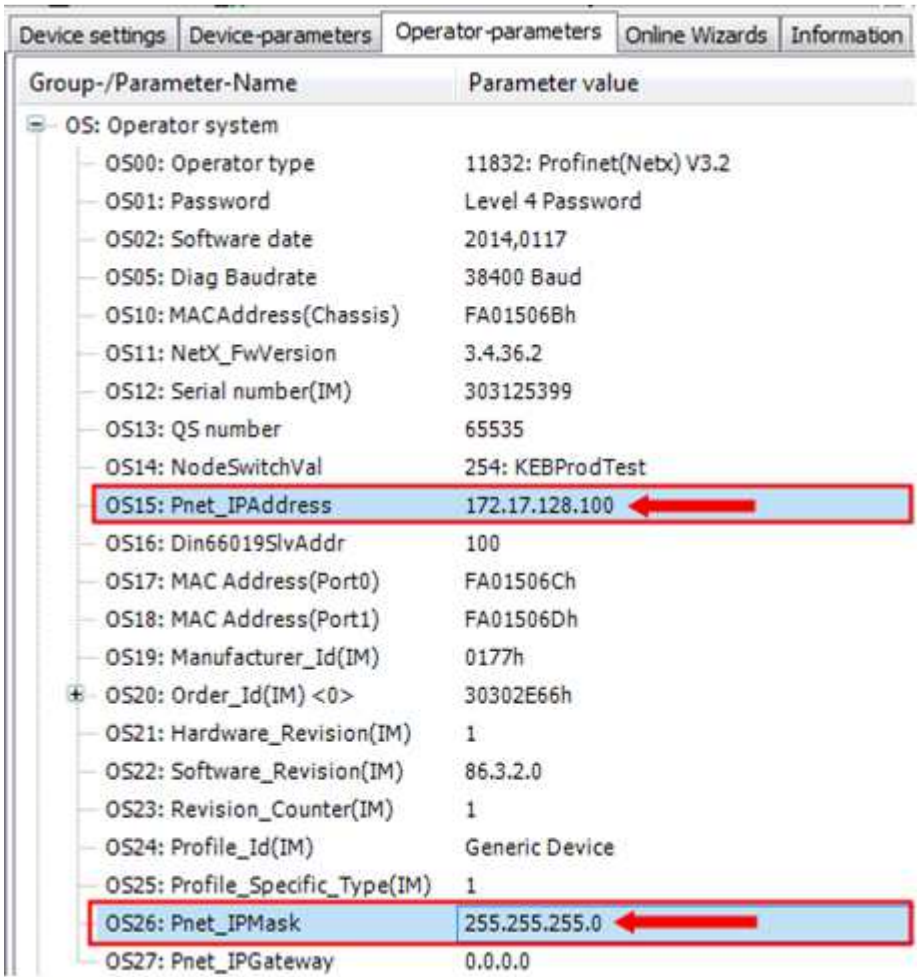



New Project
Categories:
KEB
Templates:
Configuration
Empty project
KEB device scan
An empty project
Name:
Untitled1
Location:
C:\Users\xx\Documents
OK
Cancel


File Edit View Project Tools Window Configurator Help
Navigator
Untitled4
Start Page
Scans th


KEB device scan
Serial interfaces
COM-Interface
Baudrate
Node address
COM1
COM3
COM12
COM20
38400
Enable all serial ports
TCP/IP UDP
IP address: from 192 . 168 . 0 . 100
to 192 . 168 . 0 . 100
Port: 8000 - 8001
Node address: 100 - 100
Start search...
Abort scan
Save search-settings as default
Status
Scan complete. 1 device(s) found.
Found devices
Name
Device type
Operator type
Address
Node
Port
Baudrate
Node_100_F5_S
2918: F5-S/V2.70 8000rp...
11832: Profinet(Netx) V3.2
192.168.0.100
100
8000
Select all
Add selected devices

Step 4: Adjust new IP-address
Adjust in the device parameter (editor operator parameters) a new individual IP-address.



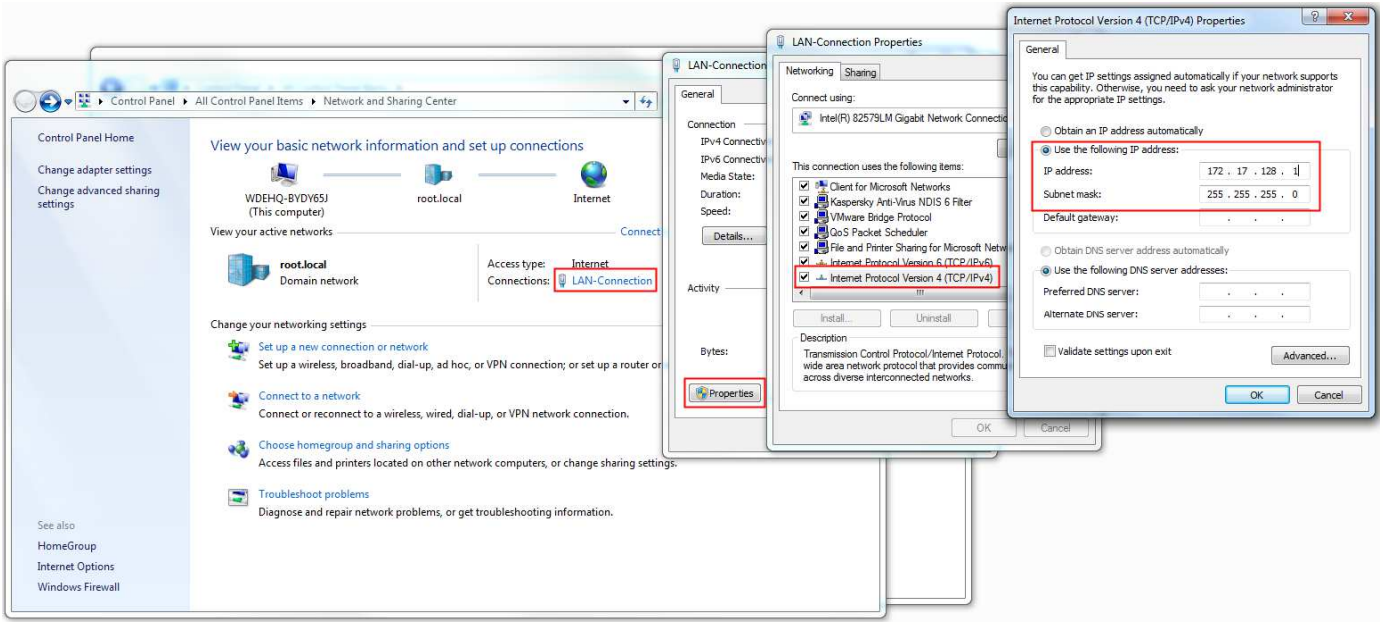
Please note:
The displayed subnet mask in OS26 is valid only in the chosen test mode! For activating the subnet mask furthermore, it is needed to confirm the value in parameter OS26.

Means: please enter the actual value of OS26 again.

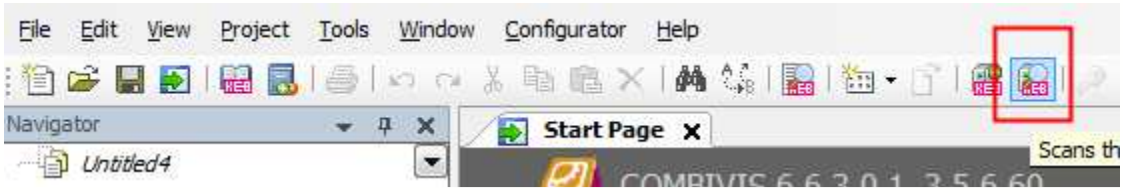
Step 5: Disengage the operator from test mode.
Please pull off the operator from COMBIVERT F5 and adjust on the node switches any node address in the range of “00h” to “EFh”.

Step 6: bring the PC in the new address range.

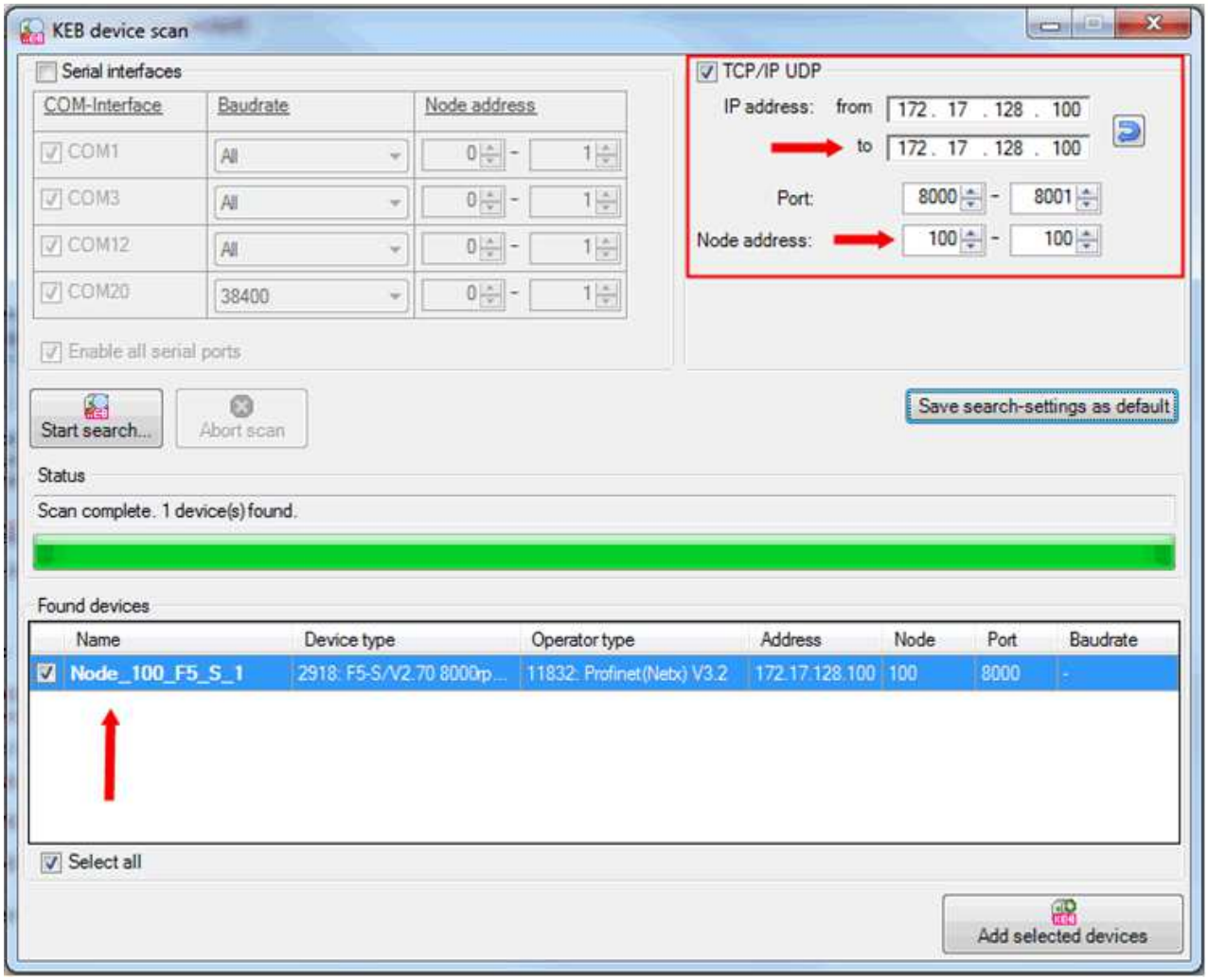
Please open Network and Sharing Center (see step 2), -> “LAN-Connection” –> “Properties” –> “Internet protocol version 4 (TCP/IP)” –> “Properties” –> “Use the following IP address” -> Set IP address to 172.17.128.1 and Subnet mask to 255.255.255.0



Step 7: Carry out a KEB device scan on the new address



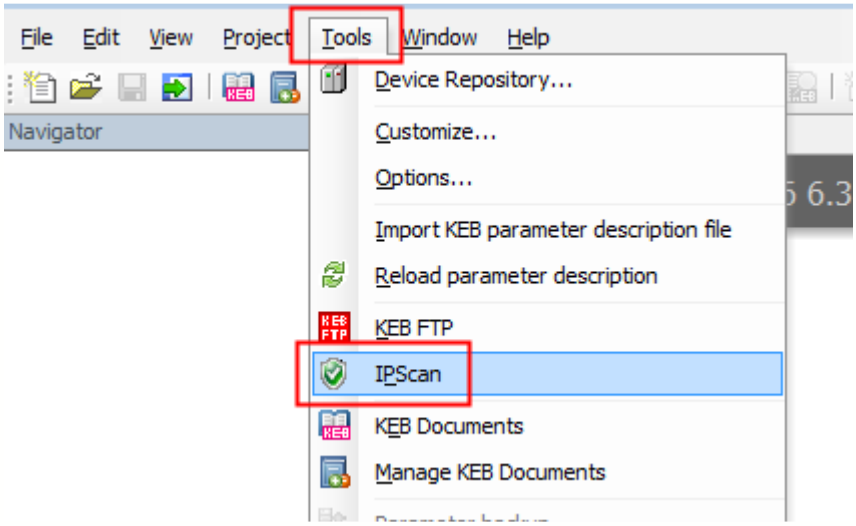
Insert the new IP address in the COMBIVIS device scan and **IMPORTANT:** the last digits adjust as node address!

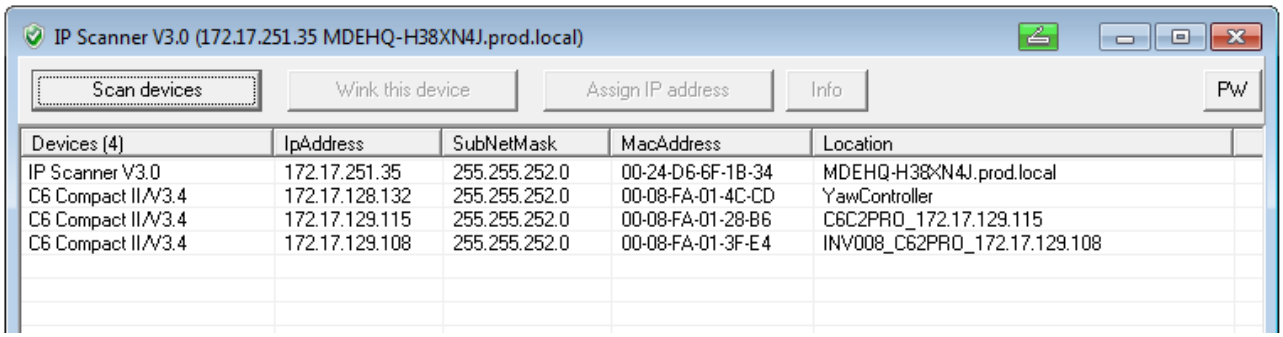


Now you have been connected with the COMBIVERT and adjusted an individual IP-address
From now it is reachable on this address.

IP Scanner

For searching of devices in the network the KEB COMBIVIS 6 IP-Scan can be used.





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