

**NEW**

**PROFITEK IP**

Industrial VoIP System

 ***Profitek***

introduces new and improved **Profitek IP** systems.

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a product by  ***Profitek***

# **NEW** PROFITEL IP

## Industrial VoIP System

- **New entry level Gatekeeper**
- **New telephone models**
- **New software package**
- **SNMP support**
- **OPC support**
- **Digital alarm output support**



# **NEW** PROFITEL IP

## Industrial VoIP System

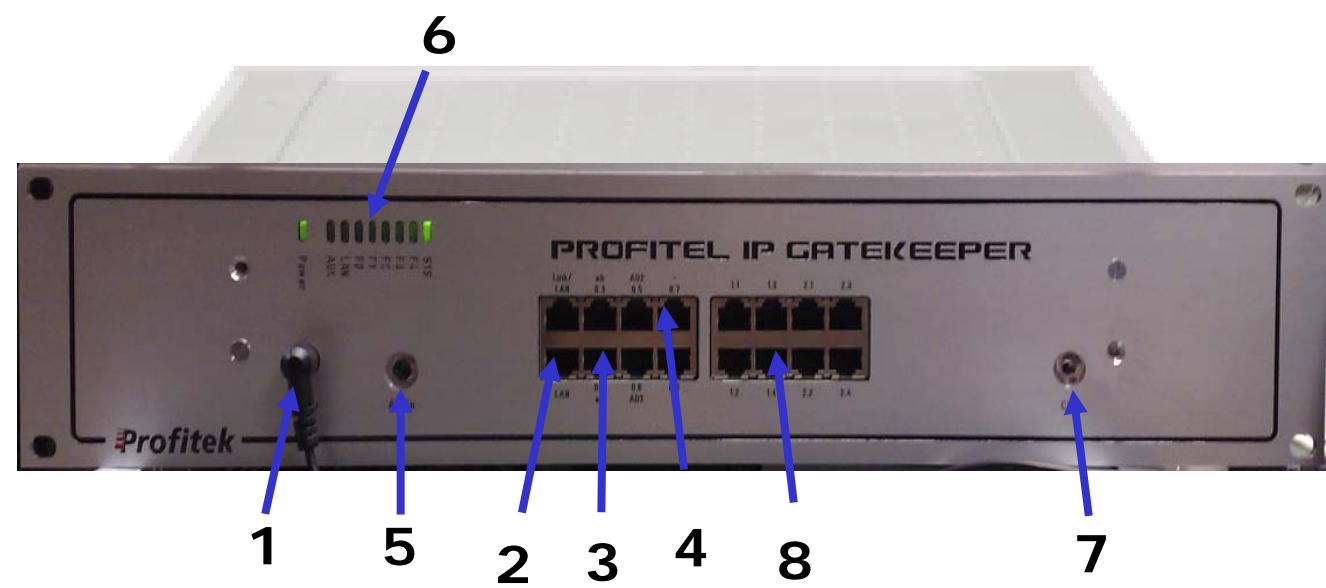
- **Gatekeeper supports:**
  - analogue telephones
  - ISDN telephones (BRI and PRI)
  - IP telephones
  - IP standards H323, SIP and SIP TRUNK
  - System telephones
  - Remote configuration and monitoring
  - ProfiTel Universal Alarm, universal alarm interface from PAN server to top systems (scada)
  
- **Gatekeeper handles up to 600 IP telephones.**
- **Gatekeepers can be cascaded via IP, ISDN or analog lines.**
- **Gatekeeper can be configured via ISDN router or ADSL (from e.g. Norway)**



**New Entry level Gatekeeper for small and mid sized applications**

- Compact Gatekeeper for small and midsized installations. Supports up to 100 phones.
- Gatekeeper with PBX functionality.
- Can be used as a node on larger systems.
- Configured for 25 50 (45) or 100 (95) IP Phones
- Includes 4 AD2 ports ( Digital extensions )
- Includes 2 Analogue extensions
- 4 free slots for options card
- Delivered with 2 - 8 Gateway channels, Gateway channels used for IP to non IP traffic. (Max 12 VoIP Gw channels)
- Optional support for trunk lines for external connection (SIP trunk, ISDN BRI or Analogue trunks)
- Optional support for SIP internal devises.
- Optional support for analogue and AD2 expention cards.
- ProfiTel IP Configuration tools for Phones and Gatekeeper. Including the ProfiTel Explorer.
- Full support for alarming to ProfiTel PAN Server.

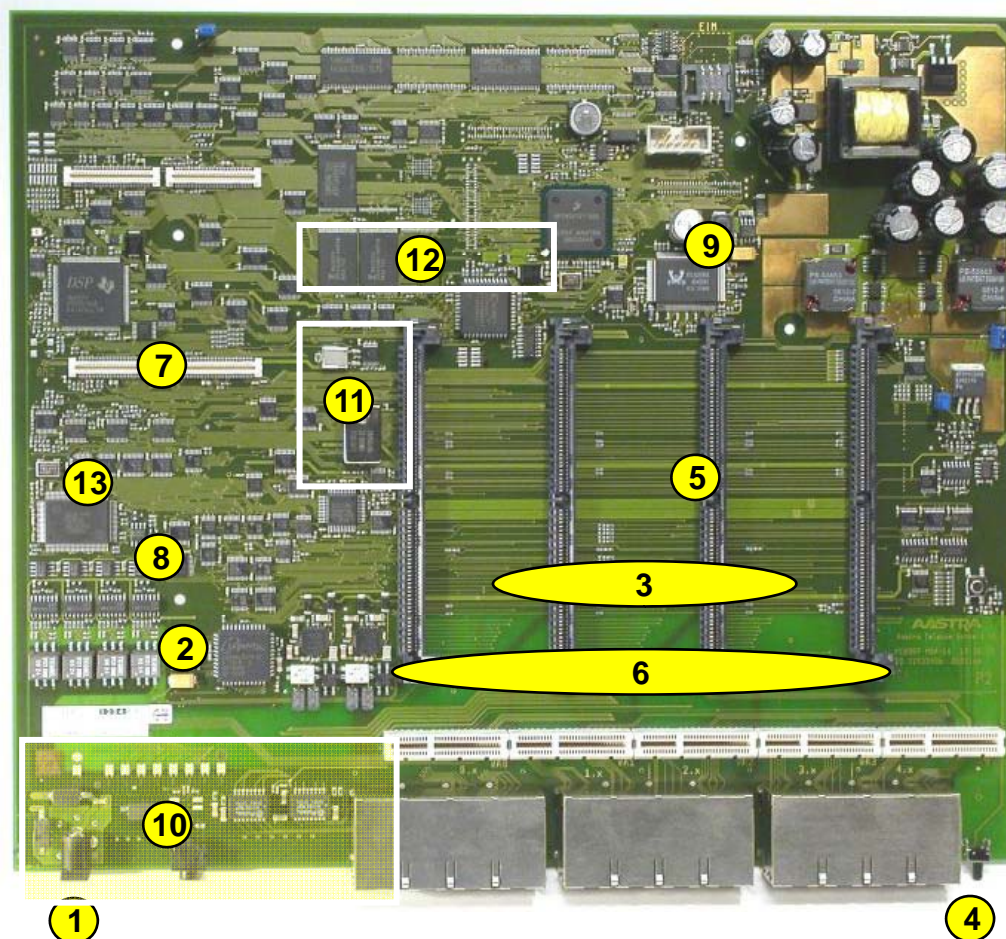
**Entry level Gatekeeper**



- [1] Power (20VDC)
- [2] Ethernet interface
- [3] ab interfaces
- [4] AD2 interfaces
- [5] Audio interface
- [6] Status LED's
- [7] Control button
- [8] Spare ports

# NEW PROFITEL IP

## Industrial VoIP System



- ① External PSU Input (20VDC)
- ② Audio input (Music on Hold)
- ③ 3x8 Front side RJ45 connectors
- ④ Control button
- ⑤ Wiring adapters & LAN switch sockets
- ⑥ System interface card sockets
- ⑦ System module socket 1 (DSP)
- ⑧ System module socket 2 (future use)
- ⑨ EID card holder (System licenses)
- ⑩ Onboard telephony interfaces
- ⑪ Onboard flash memory (System SW)
- ⑫ Onboard SDRAM
- ⑬ Onboard DSP (Central Functions, Basic VM)

**NEW**

**PROFITEK IP**

Industrial VoIP System

## ProfiTel IP industrial telephones – new models



**NEW**

# PROFITEL IP

## Industrial VoIP System

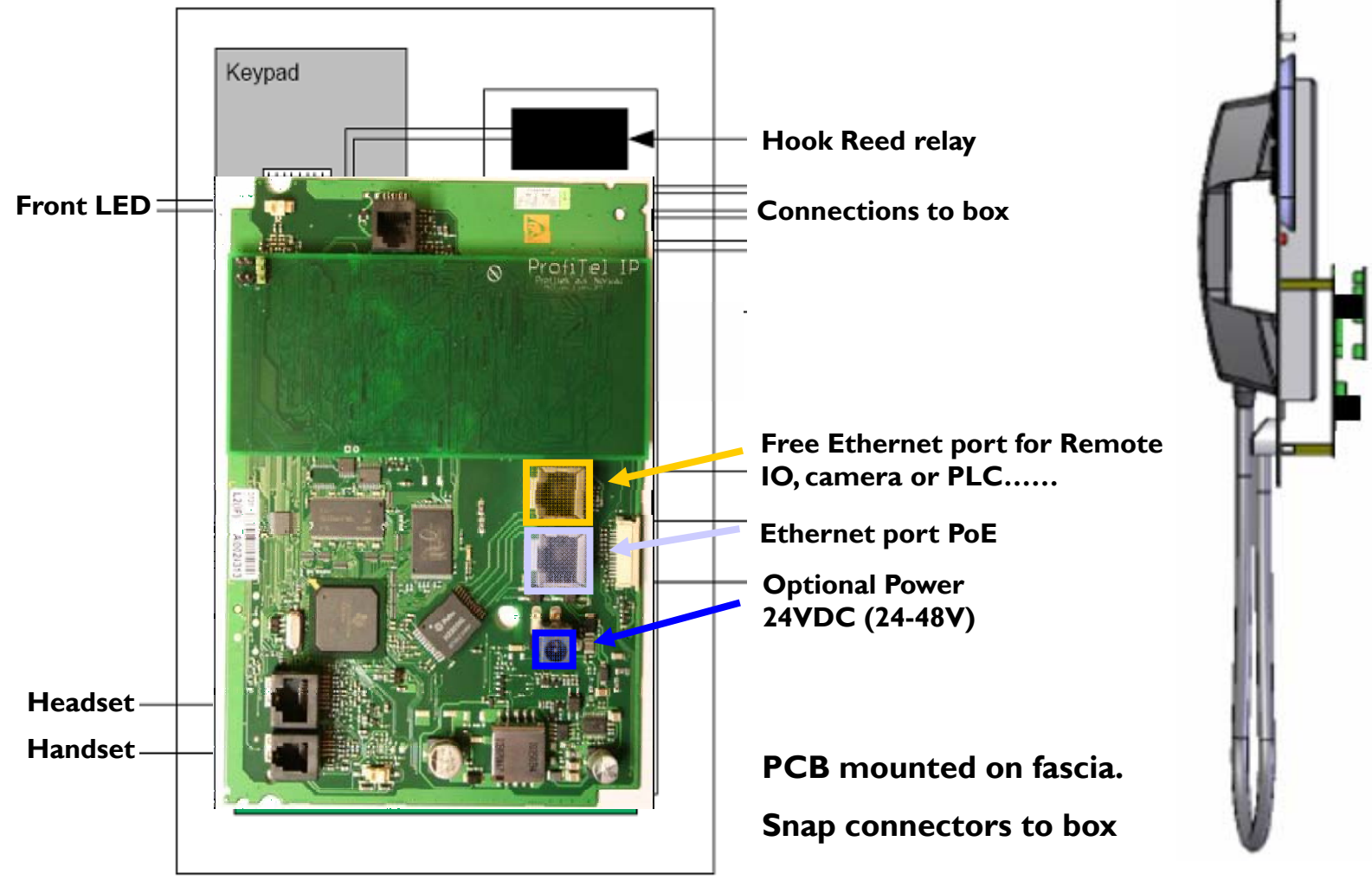
- **Weatherproof IP65 (water, dust)**
- **Made of stainless steel.**
- **Power PoE or local power**
- **24- 48VDC (Option 24VDC UPS)**
- **1 free Ethernet port (Remote IO, camera, PLC)**
- **Status LED**
- **Acoustic fault alarm**
- **Manageable**
- **Auto/mass configuration support**
- **Full remote control of all phone functions.**
- **Upgradeable platform**
- **External beacon & hooter (option)**
- **External PA loudspeaker (option)**
- **Remote I/O (option)**





# **NEW** PROFITEL IP

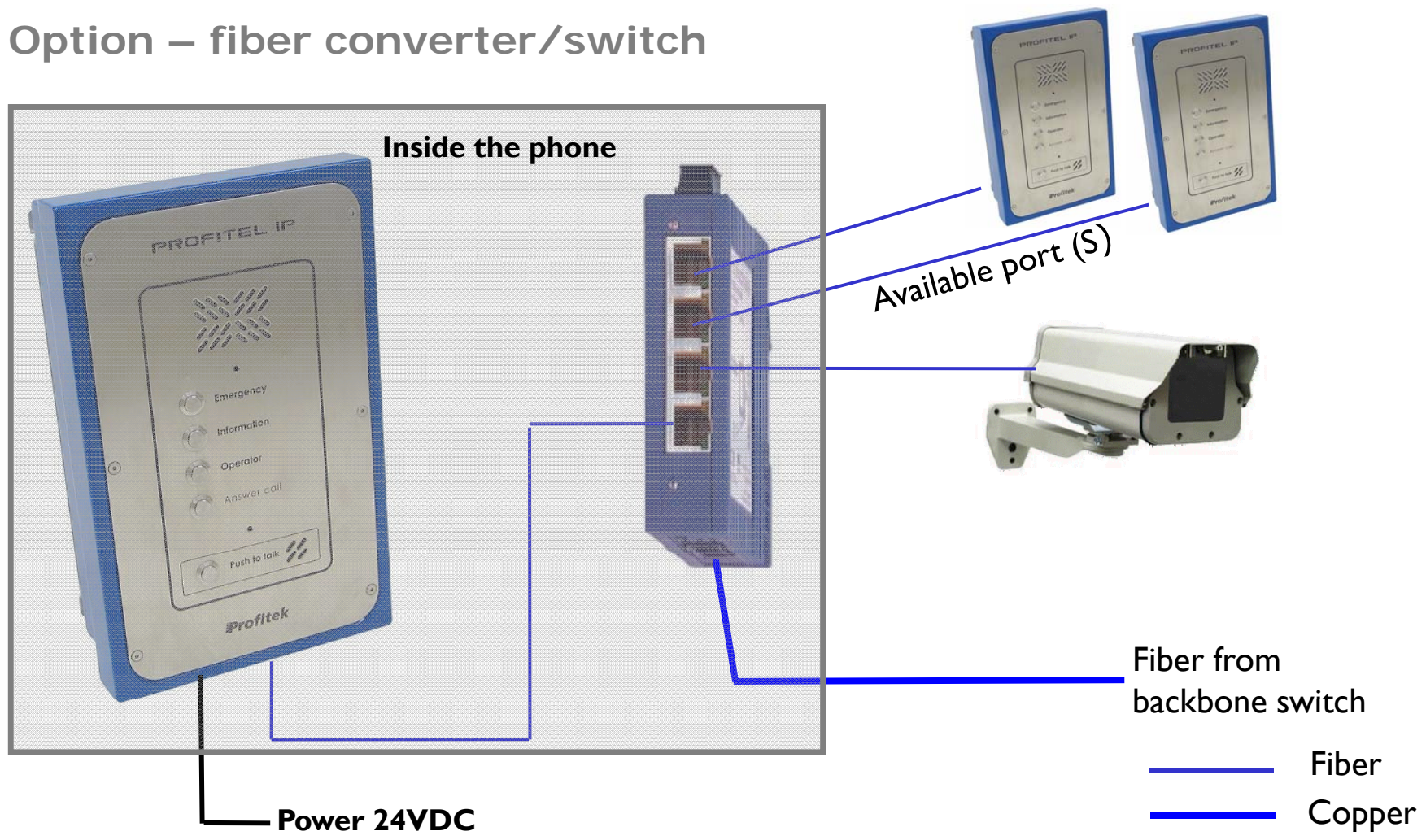
## Industrial VoIP System



# NEW PROFITEL IP

## Industrial VoIP System

Option – fiber converter/switch



**NEW**

**PROFITEK IP**

**Industrial VoIP System**

## **New software (Profitel IP Explorer)**

providing a lot of new possibilities. Some of the features:

- **Active network scanning to identify Profitel IP devices.**
- **Quick configuration/reset/factory reset of telephones**
- **Auto-configuration of selection of telephones**
- **Mac/IP address export (to simplify gatekeeper configuration)**
- **Built in DHCP server for configuration of Profitel IP devices.**
- **Built in remote control feature**
- **Import of subscriber details from gatekeeper for identification of phones during network scan**
- **Tool for finding telephones with “lost” IP address (across subnets)**

# **NEW** PROFITEL IP

## Industrial VoIP System

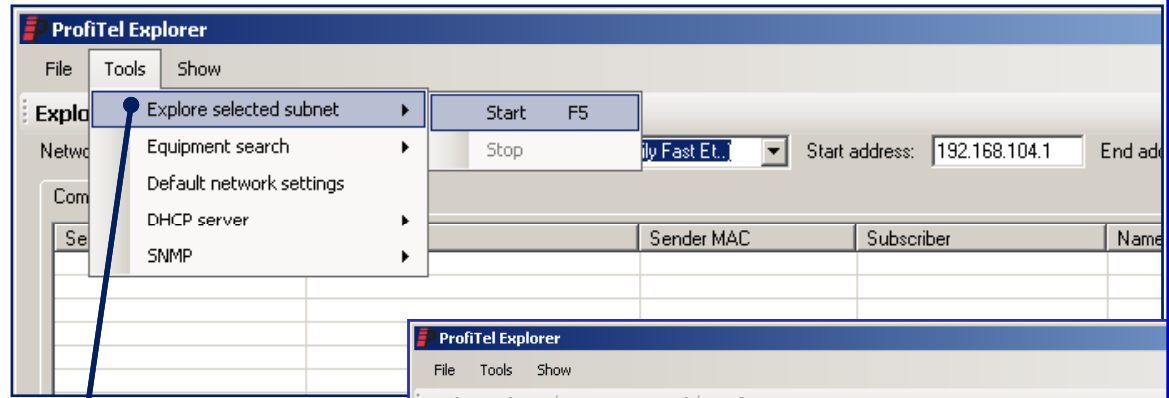
- **ProfiTel Explorer features:**

- Active network scanner identifies all ProfiTel IP devices.
- Apply network settings to IP phones or groups of phones.
- Export list of Mac and IP Addresses, can be imported in Gatekeeper.
- DHCP server for configuration of ProfiTel IP devices.
- Remote control enables all phone features from remote site.
- Subscriber name and number can be imported to identify phones .
- Recover and find IP phones with lost IP Addresses.

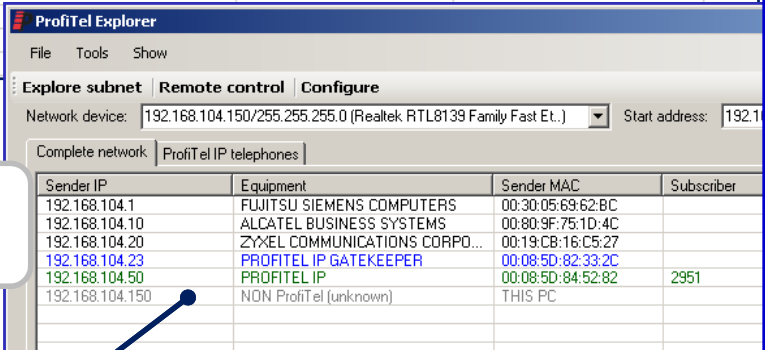
- **Telephones are identified by IP and Mac address.**

- Mac addresses can be exported and imported in Aims to simplify phone logon to Gatekeeper.

## Active network scanning

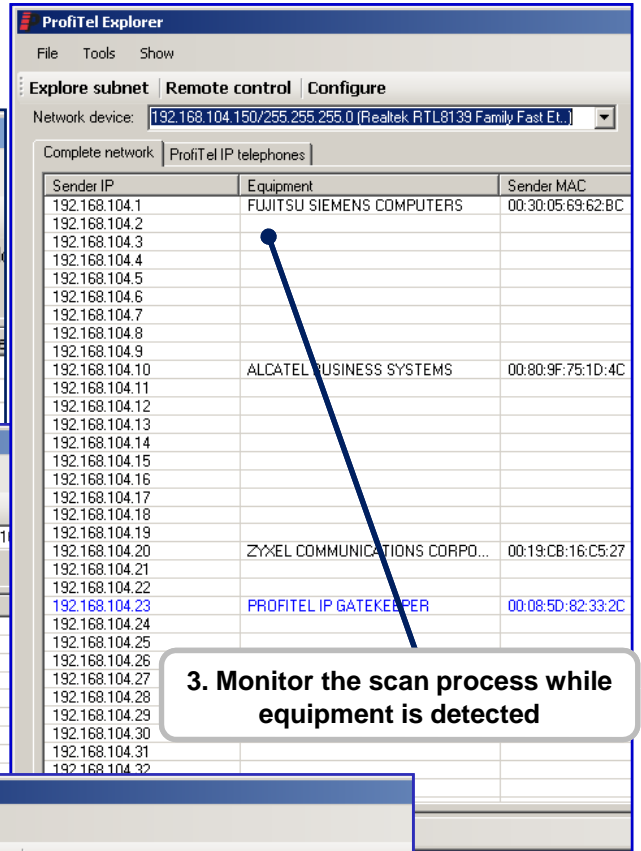
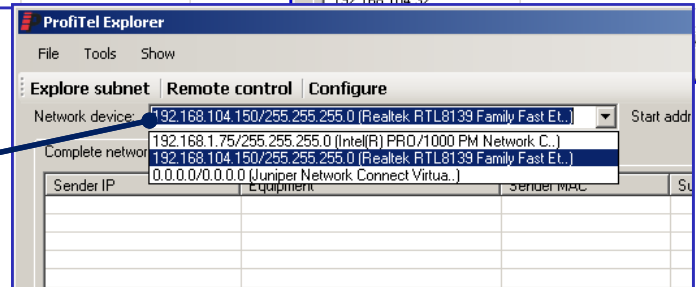


2. Explore the available network devices in a subnet



4. Evaluate detected equipment details (IP, equipment type, MAC address etc.)

1. Choose adapter connected to network being scanned



3. Monitor the scan process while equipment is detected

## Quick configuration/reset/factory reset of telephones

The screenshot shows the Profitel Explorer interface. At the top, it says 'PROFITEL IP LICENSED TO: Profitel TEST'. Below that, there are fields for 'Network device', 'Start address', and 'End address'. A table lists several IP telephones. The row for '192.168.104.23' is selected, and a context menu is open over it. A 'Phone configuration' dialog box is also open, showing various settings for the selected phone.

Sender IP	Equipment	Sender MAC	Subscriber	Name
192.168.104.1	FUJITSU SIEMENS COMPUTERS	00:30:05:69:62:8C		
192.168.104.10	ALCATEL BUSINESS SYSTEMS	00:80:9F:75:1D:4C		
192.168.104.20	ZYXEL COMMUNICATIONS CORPO...	00:19:CB:16:C5:27		
192.168.104.23	PROFITEL IP GATEKEEPER	00:08:5D:82:33:2C	2951	STEINAR IP
192.168.104.50	NON Profitel IP	00:00:00:00:00:00		

**Phone configuration dialog box details:**

- Command: Restart
- Subscriber information: 951 (STEINAR IP)
- Address configuration:
  - DHCP enabled:
  - Telefon IP: 192.168.104.50
  - Subnet mask: 255.255.255.0
  - Gateway: 0.0.0.0
  - Sw: v1.1.10
- Gatekeeper configuration:
  - Gatekeeper IP: 192.168.104.23
  - Gatekeeper DNS Name:
  - DNS Server IP: 192.168.1.150

Quick configuration of IP phones makes it easier to setup the system (double-click/right-click on telephone)

Configure telephone parameters  
Restart telephone  
Factory reset telephone

### Auto-configuration of selection of telephones

**1. Select one or more IP phones and choose Auto config**

**2. Select the parameters to be configured**

**3. The phones will be configured simultaneously**

Sender IP	Equipment	Sender MAC	Subs
192.168.104.1	FUJITSU SIEMENS COMPUTERS	00:30:05:69:62:0C	
192.168.104.10	ALCATEL BUSINESS SYSTEMS	00:80:9F:75:1D:4C	
192.168.104.20	ZYXEL COMMUNICATIONS CORPO...	00:19:CB:16:C5:27	
192.168.104.23	PROFITEL IP GATEKEEPER	00:08:5D:82:33:2C	
192.168.104.50	PROFITEL IP	00:08:5D:84:52:82	2000
192.168.104.51	PROFITEL IP	00:08:5D:84:3D:9B	2001

IP address	Update state
<b>MKII telephones to update</b>	
192.168.104.50	Update in progress ..
192.168.104.51	Update in progress ..

### Mac/IP address export (to simplify gatekeeper configuration)

The screenshot shows the Profitel Explorer interface. At the top, it says 'PROFITEL IP LICENSED TO: Profitel TEST'. Below that, there are fields for 'Network device', 'Start address', and 'End address'. A table lists network devices with columns for 'Sender IP', 'Equipment', 'Sender MAC', and 'Subscriber'. A context menu is open over the table, with the option 'Create list of MAC/IP address pairs for the selected items\n(to be imported in AI)' selected. A 'Lagre som' dialog box is open, showing 'Demo site' as the location, 'addresslist' as the filename, and 'CSV file' as the file type.

Sender IP	Equipment	Sender MAC	Subscriber
192.168.104.1	FUJITSU SIEMENS COMPUTERS	00:30:05:63:62:BC	
192.168.104.10	ALCATEL BUSINESS SYSTEMS	00:80:9F:75:1D:4C	
192.168.104.20	ZYXEL COMMUNICATIONS CORPO...	00:19:CB:16:C5:27	
192.168.104.23	PROFITEL IP GATEKEEPER	00:08:5D:82:33:2C	
192.168.104.70	PROFITEL IP	00:08:5D:84:52:82	2000
192.168.104.71	PROFITEL IP	00:08:5D:84:3D:9B	2001
192.168.104.150		THIS PC	

Select the IP phones and export the Mac/IP addresses – that simplifies the gatekeeper configuration significantly

Save the IP/Mac addresses in a database



### Built in DHCP server for configuration of ProfiTel IP devices.

**1. Define IP addresses range for the DHCP address pool (in addition to other configuration parameters)**

**2. Confirm start of the DHCP server**

Starting DHCP service...

## Built in remote control feature

The image shows two software windows. The main window is 'ProfiTel Explorer' with a menu bar (File, Tools, Show) and tabs (Explore subnet, Remote control, Configure). It displays network information and a table of ProfiTel IP telephones. A right-click context menu is open over the table, with 'Remote control' selected. A callout box points to this menu with the text: 'Right-click on a telephone and select remote control'. The second window is 'ProfiTel IP Configuration Tool (192.168.104.70) - ProfiTel TEST ...'. It shows a virtual phone interface with a green display area showing 'ProfiTel IP HS 1:48'. A callout box points to this interface with the text: 'All normal functions of the telephone may be activated from the remote control panel'. The interface includes buttons for 'HOOK OFF', 'SPEAKER', 'MENU', a numeric keypad, and other phone functions.

Sender IP	Equipment	Sender MAC	Subscriber	Name
192.168.104.1	FUJITSU SIEMENS COMPUTERS	00:30:05:69:62:BC		
192.168.104.10	ALCATEL BUSINESS SYSTEMS	00:80:9F:75:1D:4C		
192.168.104.20	ZYXEL COMMUNICATIONS CORPO...	00:19:CB:16:C5:27		
192.168.104.23	PROFITEL IP GATEKEEPER	00:08:5D:82:33:2C		
192.168.104.24	PROFITEL IP	00:08:5D:84:52:82	2000	ProfiTel IP HS
192.168.104.25	PROFITEL IP	00:08:5D:84:3D:9B	2001	ProfiTel IP HF
192.168.104.26	ProfiTel (unknown)	THIS PC		

Right-click on a telephone and select remote control

All normal functions of the telephone may be activated from the remote control panel

### Import of subscriber details from gatekeeper for identification of phones during network scan

The image shows two windows from the Profitel IP software. The main window, 'Profitel Explorer', is in the 'configure' state. It has a menu bar with 'File', 'Tools', and 'Show'. The 'File' menu is open, showing 'Import subscriber definitions' and 'Exit'. Below the menu, there are fields for 'Complete network' (set to '255.0 (Realtek RTL8139 Family Fast Et...)') and 'Profitel IP telephones'. A table lists various IP addresses, equipment names, and MAC addresses. One row is highlighted in blue, showing '192.168.104.73' for the IP, 'PROFITEL IP GATEKEEPER' for the equipment, and '00:08:5D:82:33:2C' for the MAC. A callout box points to the 'Import subscriber definitions' menu item with the text: 'Choose from the menu to import subscriber definitions from a .csv file created by AIMS'. The second window, 'frmSubscriberImport', is open over the main window. It has a title bar and a close button. The 'Information source' field contains the path 'C:\Documents and Settings\stba.PROFITEK\Skriverbord\Nestrack.CSV'. Below this, there is a 'Subscribers:' section with a checked 'Select all' checkbox and a table. The table has columns for 'Port', 'Subscriber', 'Name', 'IP', and 'MAC'. Several rows are checked, including '16.7.1' (Subscriber: 2000, Name: Profitel IP HS), '16.7.2' (Subscriber: 2001, Name: Profitel IP HF), '16.7.3' (Subscriber: 2002, Name: IP 2002), '16.7.4' (Subscriber: 2003, Name: IP 2003), '16.7.5' (Subscriber: 2004, Name: IP 2004), and '16.7.11' (Subscriber: 2199, Name: PAT). A callout box points to the '16.7.4' row with the text: 'Select .csv file, and the subscribers to import (which will be detected during scan)'. At the bottom of the dialog, there are buttons for 'Register selected items' and 'Cancel'. The status bar of the main window shows 'Starting DHCP service...'. The text 'PROFITEL IP LICENSED TO: Profitel TEST' is visible in the top right of the main window.

Sender IP	Equipment	Sender MAC	Subscriber	Name
192.168.104.1	FUJITSU SIEMENS COMPUTERS	00:30:05:69:62:BC		
192.168.104.11	ALCATEL BUSINESS SYSTEMS	00:80:9F:75:1D:4C		
192.168.104.23	ZYXEL COMMUNICATIONS CORPORATION	00:19:CB:16:C5:27		
192.168.104.73	PROFITEL IP GATEKEEPER	00:08:5D:82:33:2C		
192.168.104.70	PROFITEL IP	00:08:5D:84:52:82	2000	
192.168.104.71	PROFITEL IP	00:08:5D:84:3D:9B	2001	
				THIS PC

Port	Subscriber	Name	IP	MAC	
<input checked="" type="checkbox"/>	16.7.1	2000	Profitel IP HS	192.168.104.50	00.08.5D.84.52.82
<input checked="" type="checkbox"/>	16.7.2	2001	Profitel IP HF	192.168.104.51	00.08.5D.84.3D.9B
<input checked="" type="checkbox"/>	16.7.3	2002	IP 2002	192.168.104.60	00.08.5D.84.05.CE
<input checked="" type="checkbox"/>	16.7.4	2003	IP 2003	192.168.104.31	00.08.5D.80.23.13
<input checked="" type="checkbox"/>	16.7.5	2004	IP 2004		00.00.00.00.00.00
<input checked="" type="checkbox"/>	16.7.11	2199	PAT	192.168.104.30	00.08.5D.80.24.51

### Tool for finding telephones with “lost” IP address

The screenshot shows the ProfiTel Explorer interface. On the left, a menu is open with 'Equipment search' selected. A blue arrow points from a callout box to the 'Start' button in the 'Equipment search' submenu. The main window displays a table of network equipment. A second blue arrow points from a callout box to the entry for IP 192.168.1.59, which is highlighted in blue. The table lists various equipment types and their MAC addresses.

IP	EQUIPMENT TYPE	MAC
192.168.1.123	NON ProfiTel	00:19:d1:3a:ce:e6
192.168.1.83	NON ProfiTel	00:12:3f:10:74:e6
192.168.1.254	NON ProfiTel	00:1c:57:5d:b1:44
192.168.1.225	NON ProfiTel	00:50:56:bf:0c:93
192.168.1.150	NON ProfiTel	00:04:23:bf:7c:fb
192.168.104.150	NON ProfiTel	00:c0:26:26:cf:f2
192.168.1.75	NON ProfiTel	00:16:41:6b:aa:1c
192.168.1.220	NON ProfiTel	00:50:56:bf:2a:89
192.168.1.155	NON ProfiTel	00:04:23:c9:d9:81
192.168.104.71	PROFITEL IP	00:08:5d:84:3d:9b
192.168.1.200	PROFITEL IP GATEKEEPER	00:08:5d:81:01:b4
192.168.1.59	PROFITEL IP	00:08:5d:84:36:4a
192.168.1.48	NON ProfiTel	00:14:2a:75:c5:07
192.168.1.189	NON ProfiTel	00:16:ea:c2:4f:cc
0.0.0.0	NON ProfiTel	00:16:ea:c2:4f:cc
192.168.104.10	NON ProfiTel	00:80:9f:75:1d:4c
192.168.1.91	NON ProfiTel	00:a0:d1:a2:07:df
192.168.1.193	NON ProfiTel	00:d0:2d:f3:38:4b
192.168.1.10	NON ProfiTel	00:14:38:a0:57:9d
192.168.1.54	NON ProfiTel	00:19:d1:67:61:2a

Select from the menu to start equipment search

Watch the equipment being detected on the network (watch for equipment with IP outside local subnet)

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## **OPC support**

- **Supports alarm collection from Advantech Adam series distributed I/O modules (may be mounted inside telephone)**
- **Alarm distribution/forward through OPC to external control system**

**NEW**

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## **Digital alarm output from PAN server**

- **Alarms from ProfiTel Alarm Notification (PAN) server may be output through relay outputs**
- **Every alarm may be routed to one of several external I/O modules containing 6 relay outputs**
- **Alarm acknowledge from external system through digital input corresponding to each relay output**