

DATOVÁ KOMUNIKACE V PRŮMYSLOVÉM PROSTŘEDÍ

ControlTech

Industrial Automation



ProSoft

Rockwell Automation



ETHERNET & WIRELESS



**Rockwell
Automation**



**ProSoft
TECHNOLOGY**

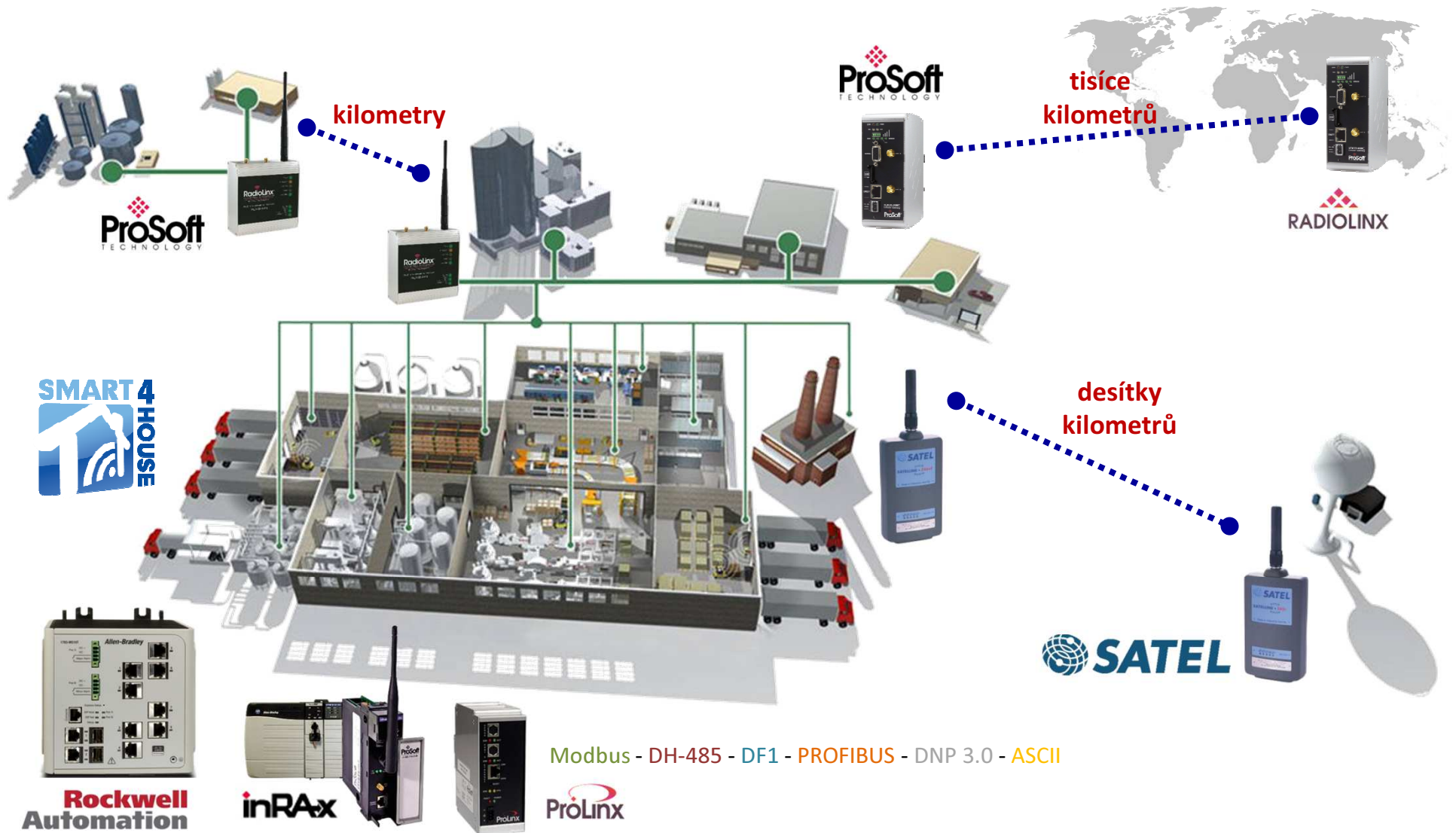


SATEL

IndustryNet

ControlTech
Industrial Automation

ETHERNET & WIRELESS



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

WHERE AUTOMATION CONNECTS

- 185+ Plug-In řešení pro Rockwell Automation



- 160+ protokolových bran



- 40+ řešení bezdrátové komunikace



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

<http://www.prosoft-technology.com/>
<http://psft.com>

The screenshot shows the ProSoft Technology website interface. At the top, there is a navigation bar with the ProSoft logo and links for 'PRODUCTS', 'SERVICES & SUPPORT', 'NEWS & EVENTS', and 'WHERE TO BUY'. Below this is a banner for 'PRODUCTS' featuring various industrial gateway devices. A 'Gateways' category is highlighted in red. Below the banner, a 'Product Selector' sidebar is visible, showing a list of protocols with 'EtherNet/IP (46)' selected. The main content area displays '137 Search Results' in a grid format, showing several gateway products with their respective part numbers and descriptions.

This screenshot shows a different view of the ProSoft Technology website, specifically the 'Gateways' product category. The navigation bar is similar to the previous screenshot. The banner for 'PRODUCTS' is also present. Below the banner, the 'Gateways' category is highlighted. A 'Product Selector' sidebar is visible, showing a list of protocols with 'EtherNet/IP (46)' selected. The main content area displays '46 Search Results' in a grid format, showing several gateway products with their respective part numbers and descriptions.

Více než 160 protokolových bran

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TRENDY V BEZDRÁTOVÉ PRŮMYŠLOVÉ KOMUNIKACI

English | Deutsch | Español | Português | 中文 | Français | Русский


ProSoft TECHNOLOGY

PRODUCTS | SERVICES & SUPPORT | NEWS & EVENTS | WHERE TO BUY | ABOUT US

PRODUCTS

Remote Access | Rockwell Automation In-chassis | Schneider Electric In-chassis | **Gateways** | Industrial Wireless | ProSoft Software

Gateways > EtherNet/IP to Modbus Serial 4 Port



EtherNet/IP to Modbus Serial 4 Port PLX31-EIP-MBS4

The EtherNet/IP® to Modbus Serial gateway offers bi-directional data transfers between Modbus Serial and the EtherNet/IP network. Our EtherNet/IP Driver uses Class 1 I/O connections and/or Class 3 Message instructions. Protocol conversion gateways are the ideal solution for distributed networks when adding a remote rack becomes too costly.

The PLX31-EIP-MBS4 gateways are stand-alone DIN-rail mounted gateways that provide one Ethernet port for communication, allowing for remote configuration and diagnostics, and up to four (4) serial communication ports. The PLX30 gateways also come with an SD Card slot (SD card optional) for storing configuration files. In the event of a failure the SD card can be transferred to another gateway reducing downtime. These gateways also come with a wide input power range (10 Vdc – 36 Vdc), and an extended temperature range (-25°C to 70°C). The PLX30 gateways include all the necessary cables required for communication.

Printer Friendly Page


How to Buy Find a Distributor

Architectures | Features and Benefits | Hardware | Downloads | Protocols | Videos | Certifications

Features and Benefits

- 4000 Word database
- Multiple I/O Connections
- Status data
- Node Health
- 10/100 Mb Ethernet port with Auto Cable Crossover Detection
- Data Analyzer for Modbus Serial Network

EtherNet/IP to Modbus Serial 4 Port PLX31-EIP-MBS4



The EtherNet/IP® to Modbus Serial gateway offers bi-directional data transfers between Modbus Serial and the EtherNet/IP network. Our EtherNet/IP Driver uses Class 1 I/O connections and/or Class 3 Message instructions. Protocol conversion gateways are the ideal solution for distributed networks when adding a remote rack becomes too costly.

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Printer Friendly Page

How to Buy Find a Distributor

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Downloads

PLX31-EIP-MBS4 Datasheet	539.58 kB	Last Modified 10/05/2016
PLX30 Gateway Family FAQ	569.86 kB	Last Modified 11/05/2014
PLX3x EDS Files 1.2	45.91 kB	Last Modified 10/12/2015
PLX3x User Manual	4.40 MB	Last Modified 03/15/2017
PLX30 Family CAD Files	67.72 MB	Last Modified 03/09/2017
ProSoft Configuration Builder		


Architectures | Features and Benefits | Hardware | Downloads | Protocols | Videos | Certifications

Videos

ProSoft's PLX30 Ethernet and Serial Gateways




Setup Tutorial for the EtherNet/IP to Modbus Serial Gateway




TRAINING ProSoft

Understanding Client, Server & I/O Messaging for Ethernet Networks



Data Organization in ProSoft Modules and Gateways



TRAINING ProSoft

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI



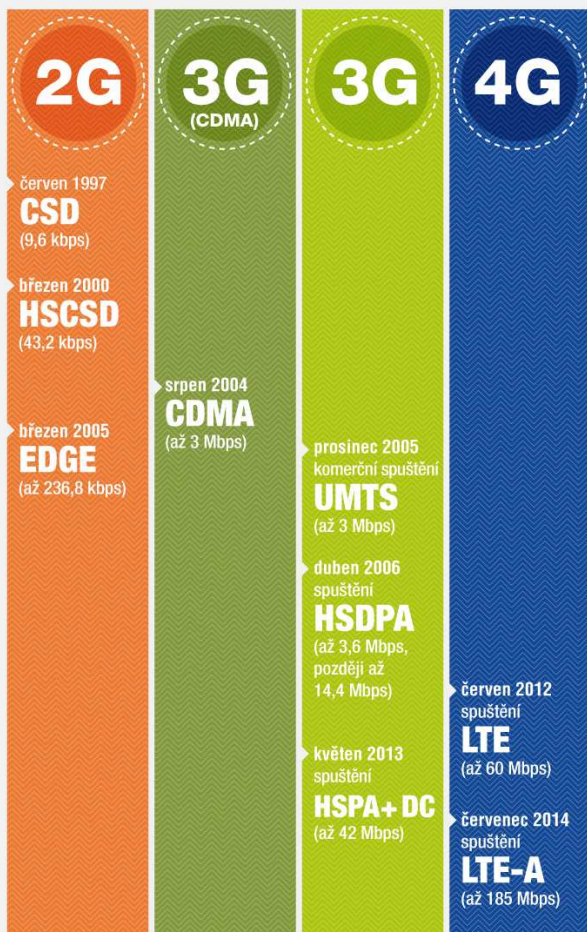
ICX35-HWC

4G LTE Industrial Cellular Gateway

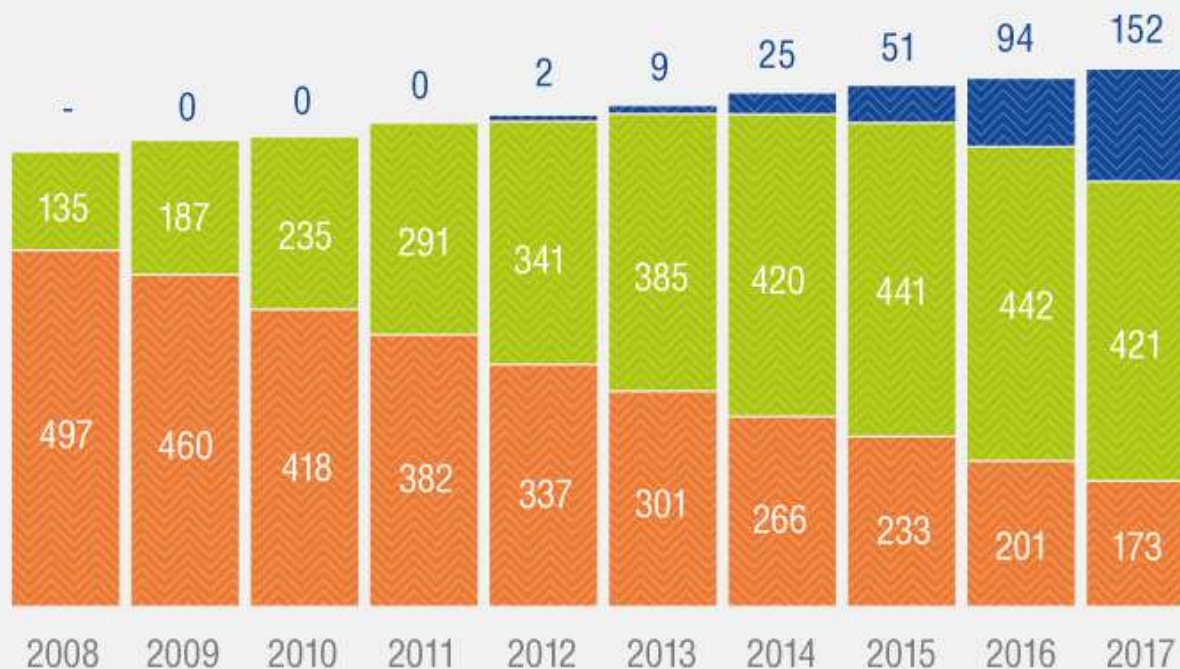
- ❖ **4G/LTE technologie** (GSM, GPRS, EDGE)
- ❖ **Ethernetová a Sériová komunikace**
- ❖ **Možnost zasílání SMS zpráv**
- ❖ **Integrovaná podpora pro OpenVPN a IPSec**
- ❖ **ProSoft Connect**

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

Mobilní internet v České republice



Podíly **2G**, **3G** a **4G** v Evropě



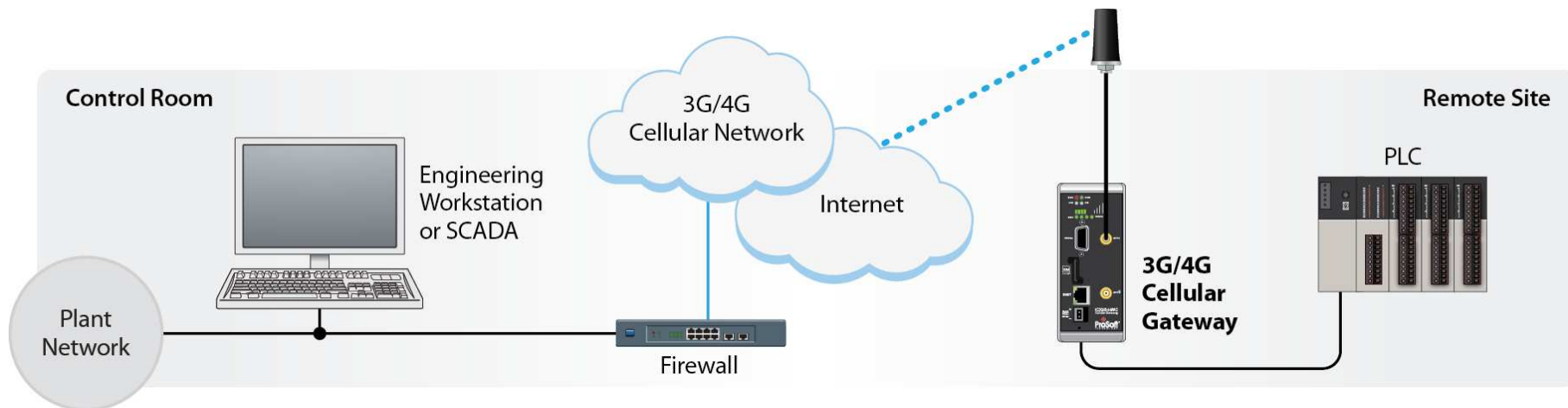
Podle počtu SIM, v milionech kusů.

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

- ❖ Posílání a příjem textových zpráv SMS z vašeho EtherNet/IP PLC
- ❖ Díky rychlým SMS zprávám jste včas informováni o případných problémech, které můžete okamžitě řešit – významně tak můžete snížit čas prostoje a ztrát
- ❖ Vestavěný web server pro lokální i vzdálenou konfiguraci, monitorování a diagnostiku bezdrátové sítě

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

- ❖ Zabezpečené VPN připojení přes internet a linky mobilních operátorů
- ❖ Současná komunikace Ethernetového i sériového portu (Modbus a DF1 encapsulation)



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

Srovnání VPN



- ❖ **Vysoce bezpečný.**
- ❖ Vysoce konfigurovatelný.
- ❖ Kompatibilní s různými šifrovacími algoritmy.
- ❖ Schopnost obejít většinu firewallů.
- ❖ **Složitější nastavení.**
- ❖ Vyžaduje software třetích stran.
- ❖ Podpora pro stolní počítače je skvělá, avšak zaostává na mobilních zařízeních.

IPSEC

- ❖ **Snadné nastavení.**
- ❖ Typicky považováno za bezpečné.
- ❖ K dispozici na všech moderních přístrojích a operačních systémech.
- ❖ **Pomalejší než OpenVPN.**
- ❖ Může být problematické, pokud jsou použity s omezujícími firewally.
- ❖ **Je pravděpodobné, že NSA záměrně oslabila protokol.**

Zdroj: <http://cs.vpnmentor.com>

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

VPN and Remote Access >> LAN to LAN

Profile Index : 1

1. Common Settings

Profile Name: wan-2

Enable this profile

Call Direction: Both Dial-Out Dial-In

Always on

Idle Timeout: 300 second(s)

Enable PING to keep alive

PING to the IP: []

VPN Connection Through: WAN2 Only

Netbios Naming Packet: Pass Block

Multicast via VPN: Pass Block (for some IGMP, IP-Camera, DHCP Relay..etc.)

2. Dial-Out Settings

Type of Server I am calling:

ISDN

PPTP

IPsec Tunnel

L2TP with IPsec Policy [None]

Dial Number for ISDN or Server IP/Host Name for VPN. (such as 5551234, draytek.com)

4. GRE over IPsec Settings

Enable IPsec Dial-Out function GRE over IPsec

Logical Traffic

My GRE IP: 192.168.5.1

Peer GRE IP: 192.168.5.2

5. TCP/IP Network Settings

My WAN IP: 0.0.0.0

Remote Gateway IP: 0.0.0.0

Remote Network IP: 172.17.1.0

Remote Network Mask: 255.255.255.0

RIP Direction: Disable

From first subnet to remote network, you have to do: [Route]

Change default route to this VPN tunnel (Only single WAN supports this)

General Setup

Status: Enable Disable

IPsec Security Method

Medium(AH)

High(ESP) DES without Authentication

Advanced []

Index(1-15) in Schedule S []

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Machine to Machine M2M

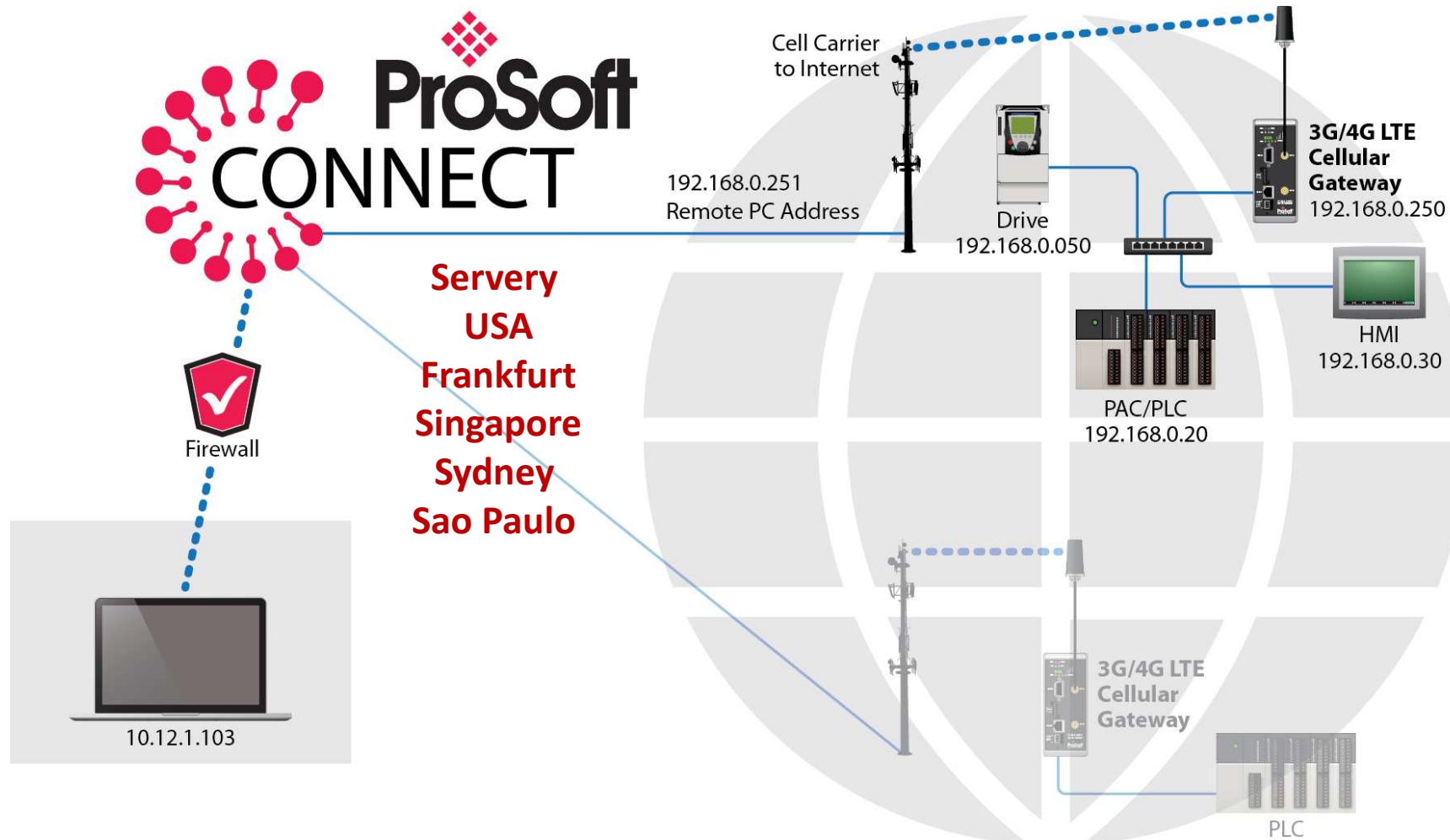
- ❖ M2M je obousměrný bezdrátový přenos dat mezi zařízeními, řídicími systémy a aplikacemi, ke kterým mají přístup oprávnění koncoví uživatelé.
- ❖ Řídicí systémy a aplikace komunikují se zařízeními zcela automaticky podle určených pravidel.



•• T-Mobile ••



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

Bezpečná, Cloud-Native Platforma pro IIoT



Vysoká spolehlivost



Přístup kamkoliv



Žádný PC Software



Jednoduché použití



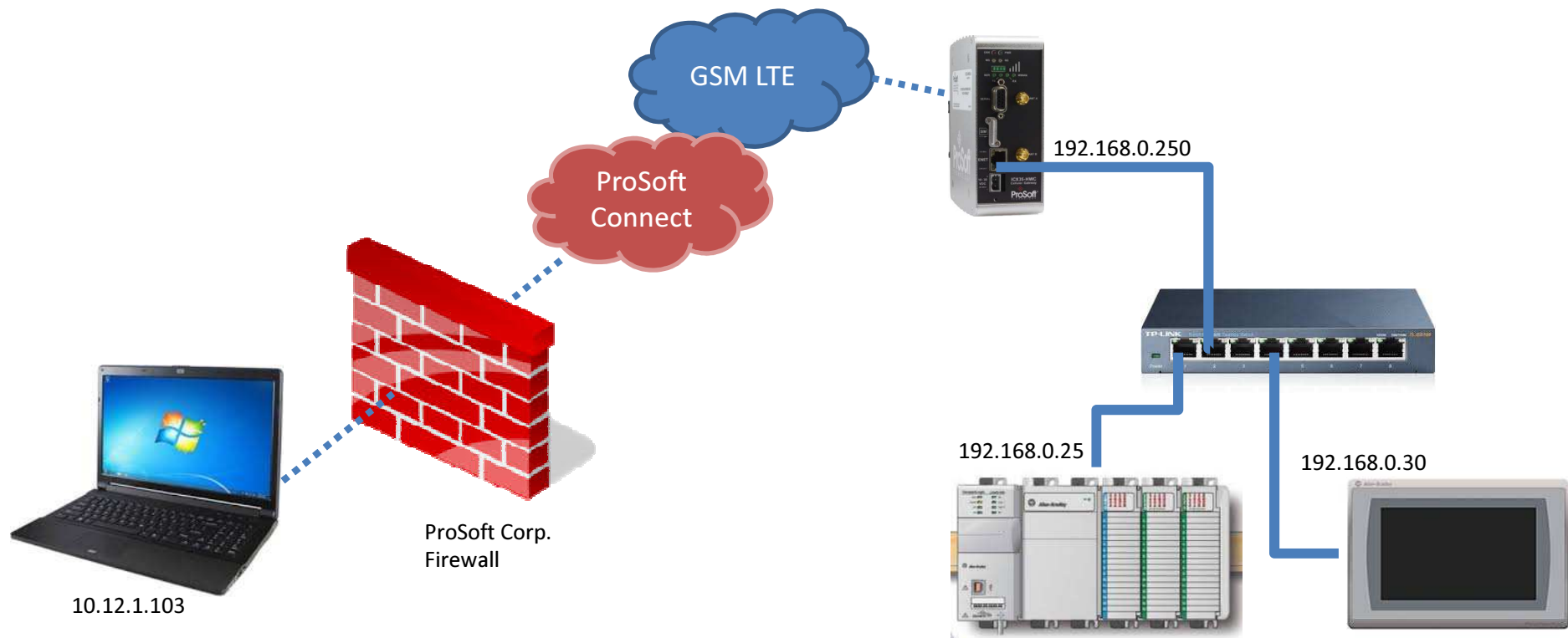
Bezpečné

- ❖ BEZ NUTNOSTI POŘÍZENÍ STATICKÉ, VEŘEJNÉ IP ADRESY.
- ❖ KONFIGURACE GSM ROUTERU ULOŽENA NA CLOUDU.
- ❖ CENA PROSOFT CONNECT SECURE REMOTE ACCESS?

ZDARMA

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TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI


https://www.prosoft.io/security/ ProSoft Connect

**ProSoft
CONNECT**

Have an account? Login here:

Remember me

New Customers



[Trouble logging in?](#) [Terms of Service](#) [Privacy Policy](#)

Powered by **ProSoft Technology**

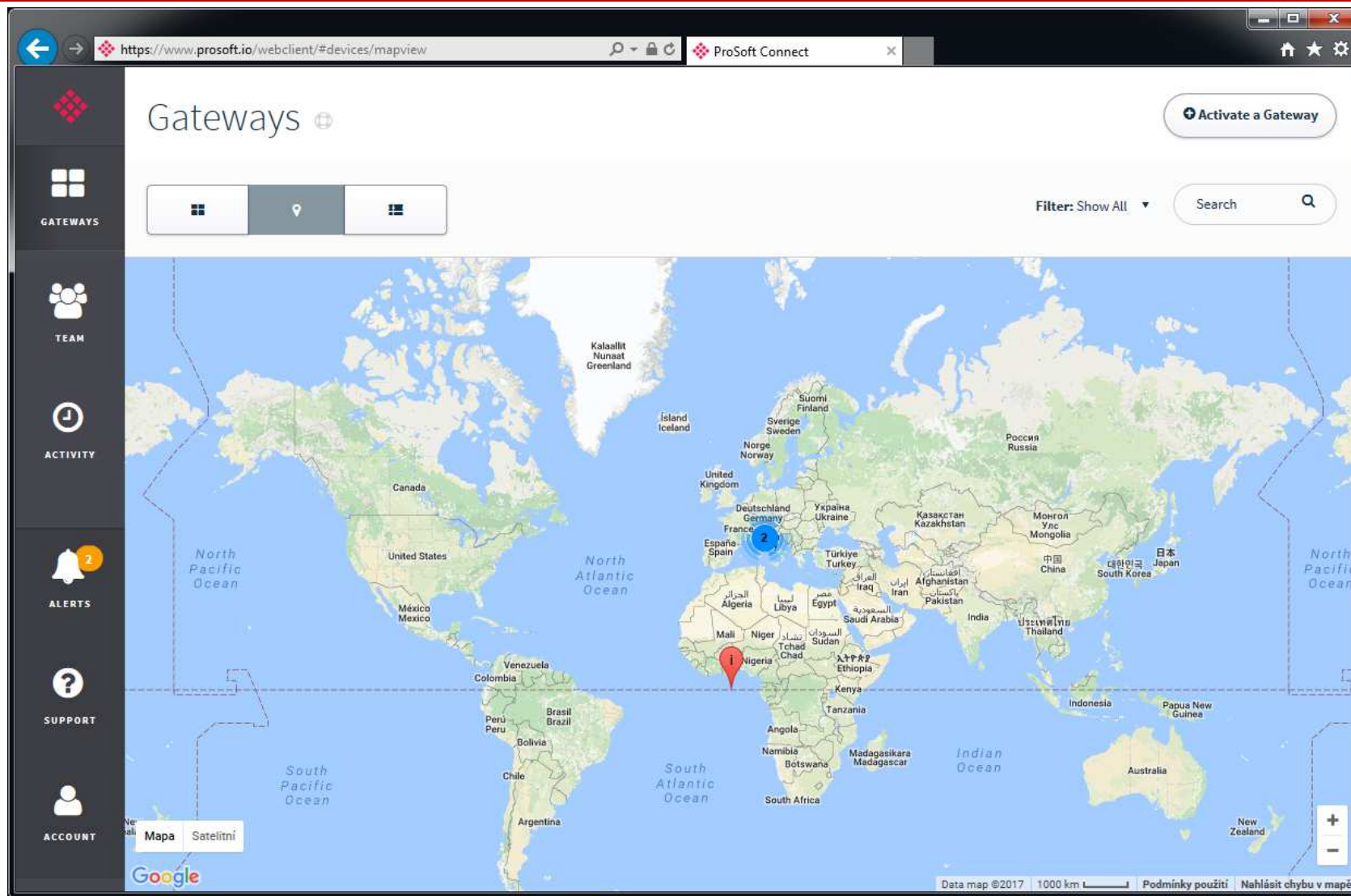
TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot displays the ProSoft Connect web client interface. The browser address bar shows <https://www.prosoft.io/webclient/> and the page title is "ProSoft Connect". The main heading is "Gateways" with a sub-heading "CELLULAR GATEWAYS 3". A sidebar on the left contains navigation icons for GATEWAYS, TEAM, ACTIVITY, ALERTS, SUPPORT, and ACCOUNT. The main content area shows three gateway cards, each with a "VPN" indicator, a status icon, and a gear icon. The cards are:

- RTL-ICX35**: 02:42:ac:11:00:52 / ProSoft ICX35-HWC. Status: Offline.
- SupportEMEA**: 00:0d:8d:a6:00:41 / ProSoft ICX35-HWC. Status: Offline.
- icx35psftemea2**: 00:0d:8d:a6:00:43 / ProSoft ICX35-HWC. Status: Offline.







Each card includes a small image of the ProSoft ICX35-HWC hardware device. At the bottom of the interface, it says "Powered by ProSoft Technology".

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot displays the ProSoft Connect web client interface. The browser address bar shows the URL <https://www.prosoft.io/webclient/#devices/tableview>. The page title is "Gateways". A sidebar on the left contains navigation icons for Gateways, Team, Activity, Alerts, Support, and Account. The main content area features a table with the following data:

Status	Name	LAN IP	WAN IP	Model	Type		
VPN  	RTL-ICX35	125.163.247.129	115.221.133.58	ProSoft ICX35-HWC	Cellular Gateway	✘	Offline
VPN  	SupportEMEA	10.128.225.150	92.88.161.27	ProSoft ICX35-HWC	Cellular Gateway	✘	Offline
VPN  	icx35psfemea2	192.168.0.250	92.88.162.215	ProSoft ICX35-HWC	Cellular Gateway	✘	Offline

At the bottom of the interface, it says "Powered by ProSoft Technology".

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot displays the ProSoft Connect web client interface. The browser address bar shows the URL <https://www.prosoft.io/webclient/#team>. The page title is "Team". On the left, a dark sidebar contains navigation icons for GATEWAYS, TEAM, ACTIVITY, ALERTS (with a notification badge), SUPPORT, and ACCOUNT. The main content area shows a list of team members in a grid. Each member card includes a name, email address, access level, and a profile picture (either a placeholder or a real photo). An "Admin" badge is present on the bottom right of each card.

Name	Email	Access	Role
cbitsch	cbitsch@psft.com	All Access	Admin
jozefa ciechano...	jozefa.ciechanowska@c...	Connect	
jprat	jprat@psft.com	All Access	Admin
kh	kh@prosoft-technology...	All Access	Admin
Marcin Gorny	marcin.gorny@dsww.pl	Connect	
Mh	mh@psft.com	All Access	Admin
pmiksovsky	pmiksovsky@controltec...	Config & Connect	
ppagliari	ppagliari@prosoft-techn...	All Access	Admin
Pavel Vladyka	pvladyka@controltech.cz	Config & Connect	

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot shows the ProSoft Connect web client interface. The main content area displays a table of team members. The table has the following columns: Name, Email, Role, Access, and Last Login. The data is as follows:

Name	Email	Role	Access	Last Login
cbitsch	cbitsch@psft.com	Admin	All Access	Never
jozefa ciechanowska	jozefa.ciechanowska@controltec.com.pl	User	Connect	Never
jprat	jprat@psft.com	Admin	All Access	6 hours ago
kh	kh@prosoft-technology.com	Admin	All Access	6 hours ago
Marcin Gorny	marcin.gorny@dswv.pl	User	Connect	a month ago
Mh	mh@psft.com	Admin	All Access	Never
pmiksovsky	pmiksovsky@controltech.cz	User	Config & Connect	Never

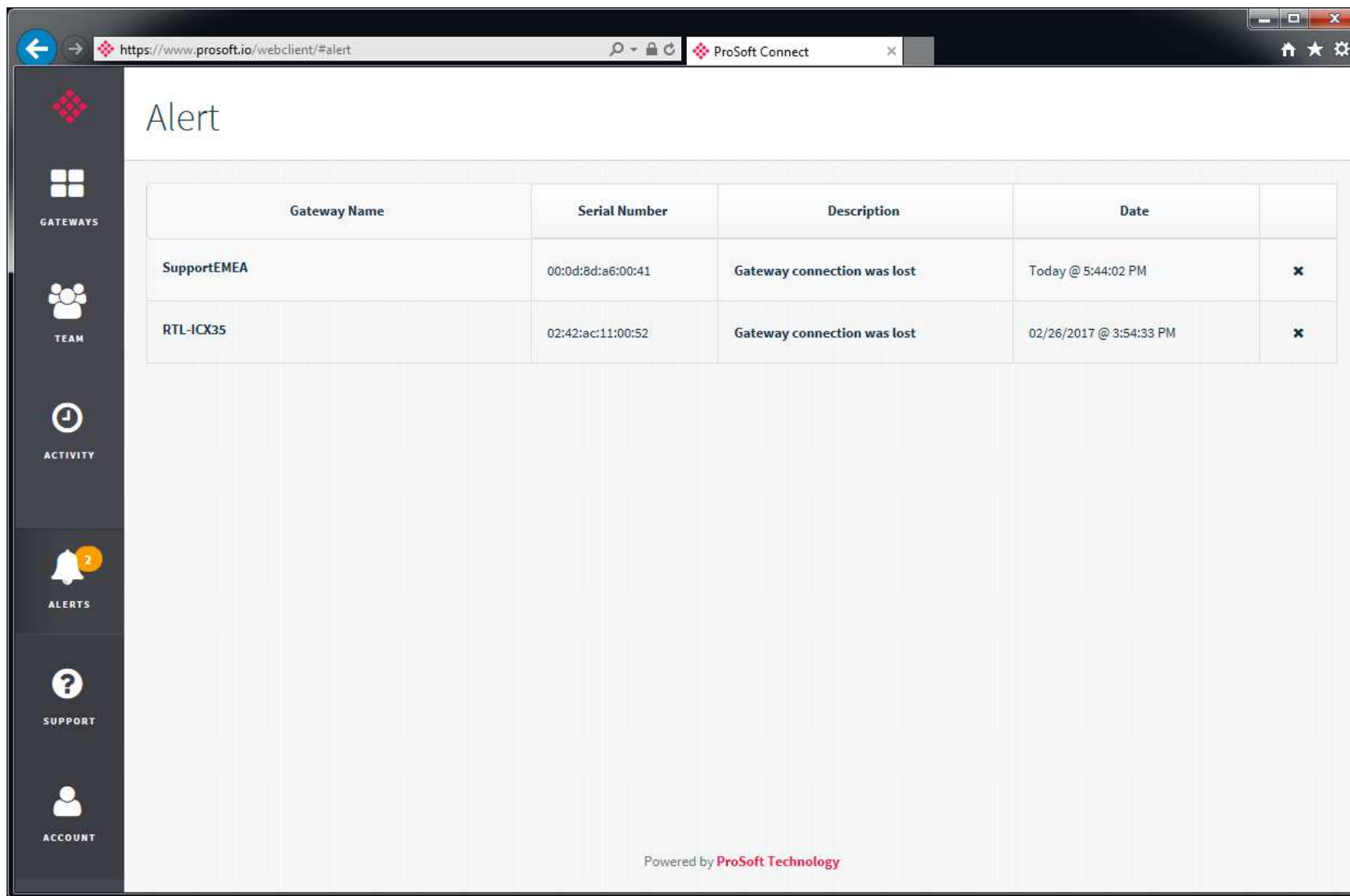
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Activity

Search

Event	Device	Description	Comments	User	Date
User		User logged out		pvladyka@controltech.cz	8 minutes ago @ 8:21:32 PM
User		User logged in		pvladyka@controltech.cz	9 minutes ago @ 8:20:02 PM
User		User Pavel Vladyka updated		pvladyka@controltech.cz	14 minutes ago @ 8:15:37 PM
User		User Pavel Vladyka updated		pvladyka@controltech.cz	19 minutes ago @ 8:10:49 PM
User		User logged in		pvladyka@controltech.cz	26 minutes ago @ 8:03:10 PM
Alarm	SupportEMEA	Gateway connection was lost		System	Today @ 5:44:02 PM
Alarm	SupportEMEA	Gateway connection was lost		System	Today @ 4:55:52 PM
Alarm	SupportEMEA	Gateway connection was restored		System	Today @ 4:53:35 PM
Alarm	SupportEMEA	Gateway connection was restored		System	Today @ 3:57:47 PM
Alarm	SupportEMEA	Gateway connection was lost		System	Today @ 3:54:17 PM
Alarm	SupportEMEA	Gateway connection was restored		System	Today @ 3:42:12 PM

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI



The screenshot shows a web browser window with the URL <https://www.prosoft.io/webclient/#alert>. The page title is "Alert". A sidebar on the left contains navigation icons for Gateways, Team, Activity, Alerts (with a notification badge), Support, and Account. The main content area displays a table with the following data:

Gateway Name	Serial Number	Description	Date	
SupportEMEA	00:0d:8d:a6:00:41	Gateway connection was lost	Today @ 5:44:02 PM	✕
RTL-ICX35	02:42:ac:11:00:52	Gateway connection was lost	02/26/2017 @ 3:54:33 PM	✕

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TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot displays the ProSoft Connect web client interface. The browser address bar shows <https://www.prosoft.io/webclient/#alert>. The main content area is titled "Alert" and contains a table with the following data:

Gateway Name	Serial Number	Description	Date
SupportEMEA	00:0d:8d:a6:00:41	Gateway connection was lost	
RTL-ICX35	02:42:ac:11:00:52	Gateway connection was lost	

On the right side, a "Conversations with ProSoft Connect" chat window is open, showing a message from Keith: "Hi Pavel, ProSoft Connect just got better..." (15m ago) and a system message: "Welcome to ProSoft Connect. Let us k..." (15w ago). A "New Conversation" button is visible at the bottom of the chat window.

Powered by ProSoft Technology

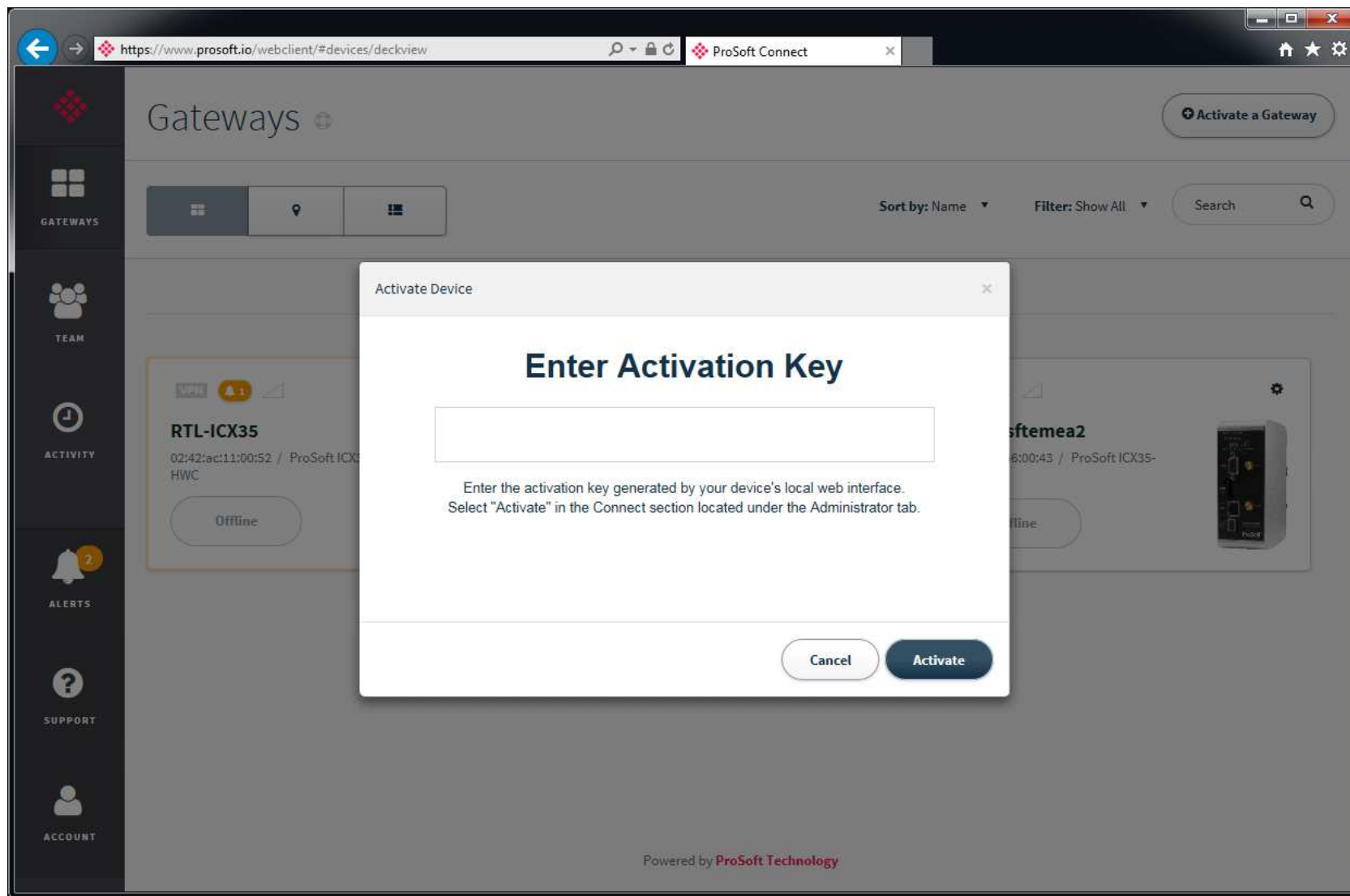
TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

The screenshot displays the ProSoft Connect web client interface. The browser address bar shows the URL <https://www.prosoft.io/webclient/#devices/deckview>. The main page is titled "Gateways" and features a sidebar with navigation options: GATEWAYS, TEAM, ACTIVITY, and ACCOUNT. A modal dialog box titled "Account Settings" is open, displaying a user profile picture and the following information:

- First Name: Paveł
- Last Name: Vladyka
- Phone Number: +420607170914

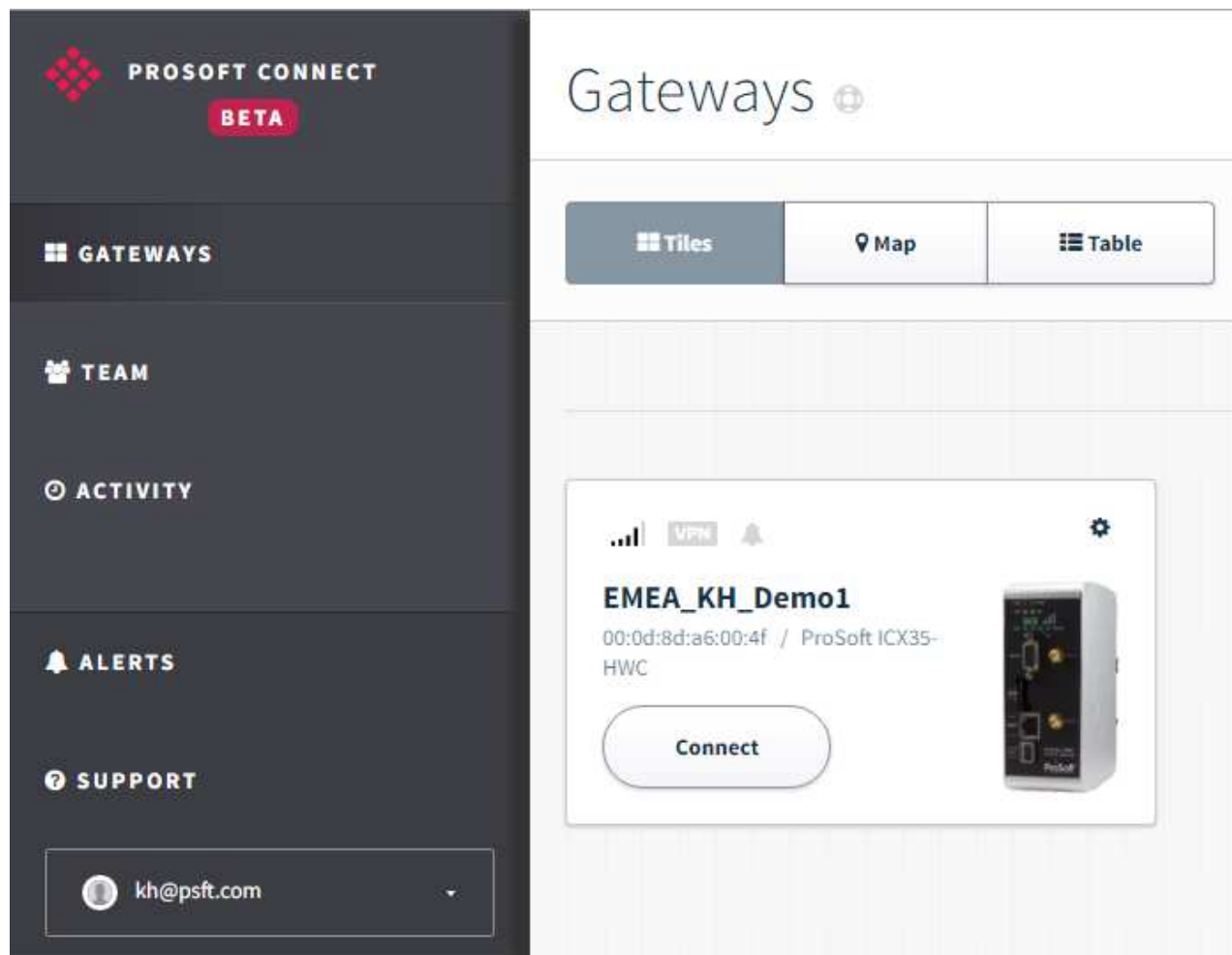
The dialog box includes a "Change Picture" link below the profile picture, and "Cancel", "Change password", and "Save" buttons at the bottom. The background interface shows a list of gateways, including "RTL-ICX35" and "sftemea2", with status indicators like "Offline".

TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI



TRENDY V BEZDRÁTOVÉ PRŮMYSLOVÉ KOMUNIKACI

CHCETE VYZKOUŠET?



- ❖ Navštivte www.prosoft.io a zaregistrujte se.
- ❖ Po prvním přihlášení si projděte “guided tour”.