

**OctopusPi** je platforma za oddaljen dostop/nadzor podatkov (WEB SCADA)

Omogoča dostop do GPIO na RPi in povezljivost z napravami preko Ethernet-a, RS232 in RS485 po protokolu MODBUS

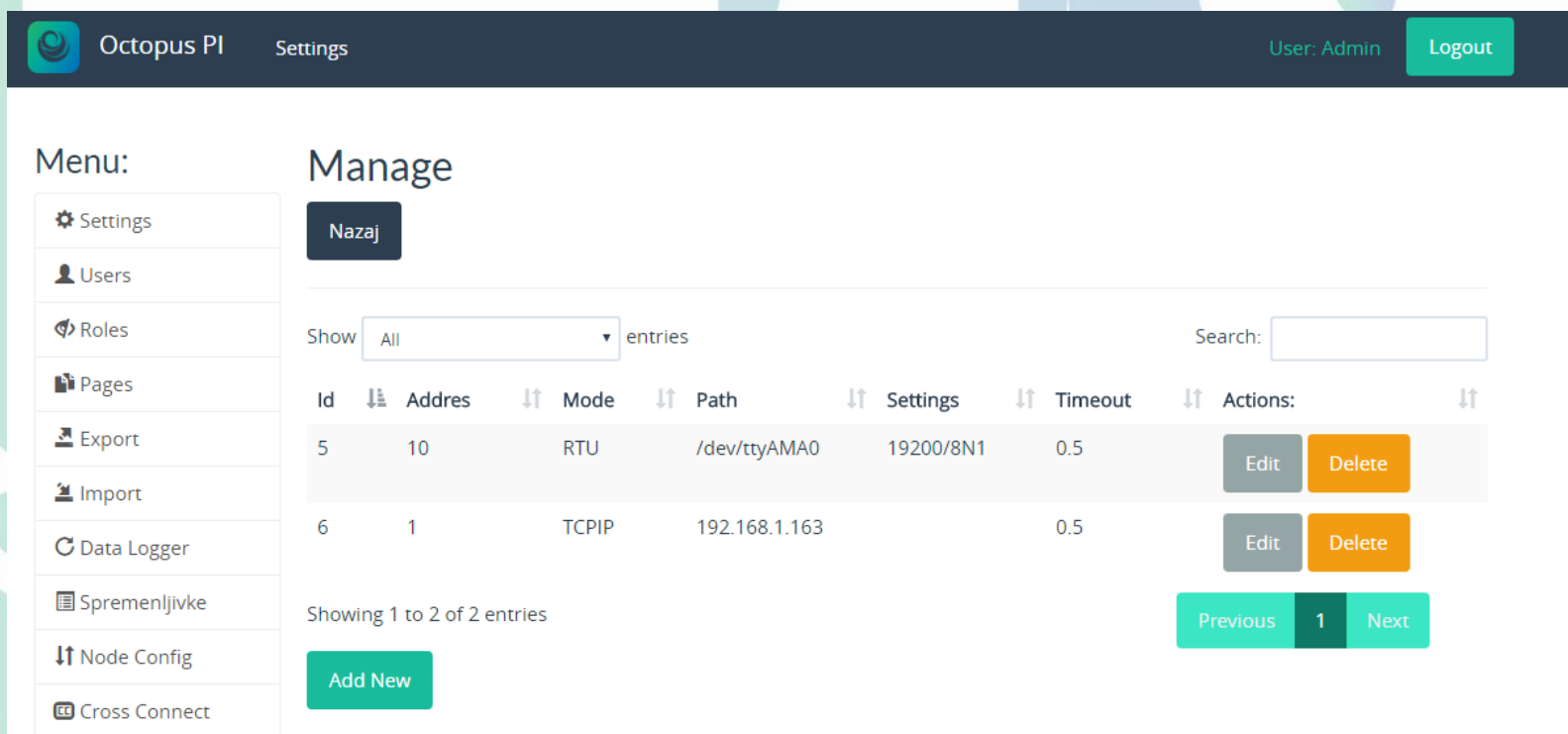


Dostop do podatkov preko spletnega brskalnika: PC, pametni telefon, tablični računalnik



Sistem deluje na napravi z Linux operacijskim sistemom, ki je hkrati spletni strežnik in MODBUS master. Celotna konfiguracija poteka preko spletnega vmesnika – znanje programiranja ni potrebno!

PRIMER – konfiguracija komunikacije z napravama na ethernet in serijsem vodilu:



The screenshot shows the Octopus PI web interface. The top navigation bar includes the Octopus PI logo, the text "Settings", the user name "User: Admin", and a "Logout" button. On the left, a "Menu:" sidebar lists various settings options: Settings, Users, Roles, Pages, Export, Import, Data Logger, Spremenljivke, Node Config, and Cross Connect. The main content area is titled "Manage" and features a "Nazaj" button. Below this, there is a "Show" dropdown menu set to "All" and a search input field. A table displays two entries with columns for Id, Address, Mode, Path, Settings, Timeout, and Actions. The first entry has Id 5, Address 10, Mode RTU, Path /dev/ttyAMA0, Settings 19200/8N1, and Timeout 0.5. The second entry has Id 6, Address 1, Mode TCPIP, Path 192.168.1.163, and Timeout 0.5. Each entry has "Edit" and "Delete" buttons. At the bottom of the table, it says "Showing 1 to 2 of 2 entries" and there is an "Add New" button. A pagination bar at the bottom right shows "Previous", "1", and "Next" buttons.

Octopus PI Settings User: Admin Logout

Menu:

- Settings
- Users
- Roles
- Pages
- Export
- Import
- Data Logger
- Spremenljivke
- Node Config
- Cross Connect

Manage

Nazaj

Show All entries Search:

Id	Address	Mode	Path	Settings	Timeout	Actions:
5	10	RTU	/dev/ttyAMA0	19200/8N1	0.5	Edit Delete
6	1	TCPIP	192.168.1.163		0.5	Edit Delete

Showing 1 to 2 of 2 entries

Add New

Previous 1 Next

**Uporabniški vmesnik** se ureja v tekstovnem urejevalniku z uporabo t.i. Tagov in podpira naslednje funkcije:

- ON/OFF (bit, bit v registru)
- READ (bit, word, int, double int)
- WRITE (bit, word, int, double int)
- BIT (bit, bit v registru)
- PLOT (bit, word, int, double int)

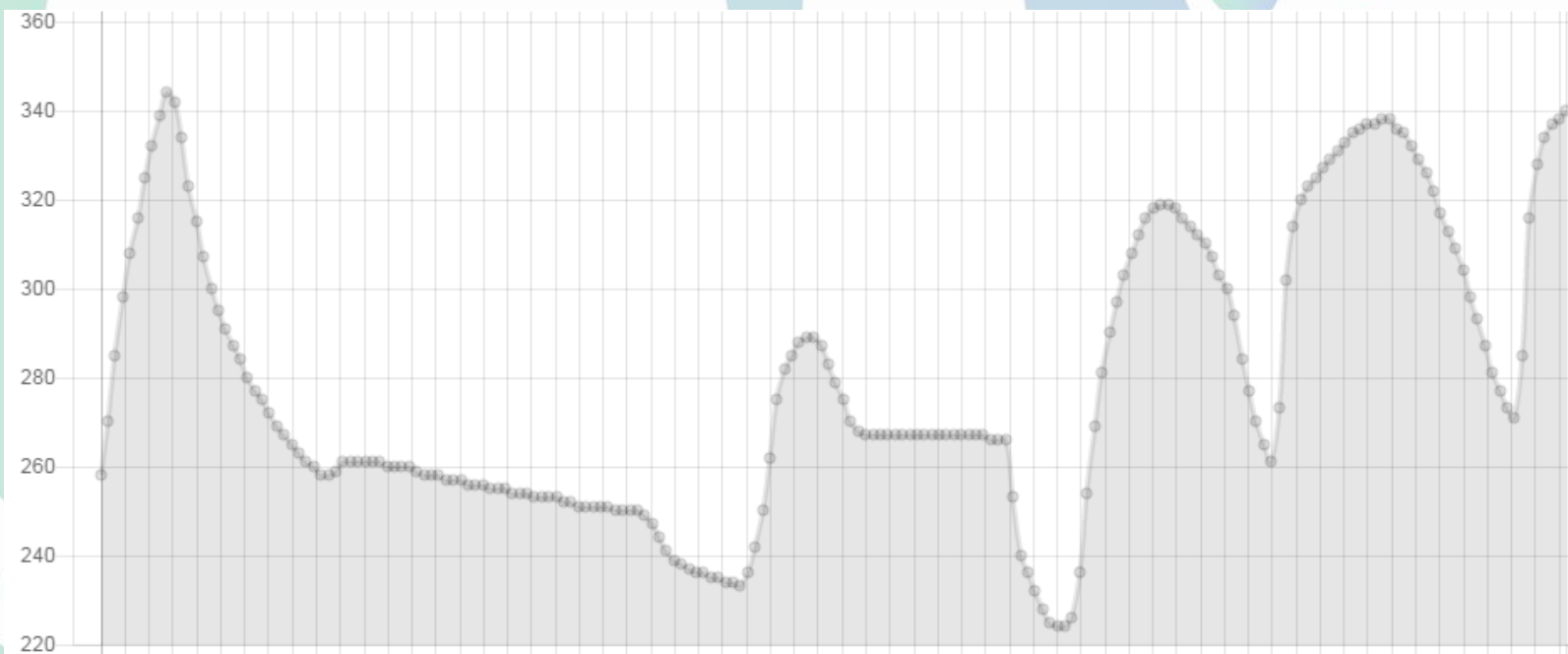
Primer kode za uporabniško stran na desni:

```
>{"Vklop" "13/M2000" ONOFF}}  
Temperatura:  
>{"Želena.:" "13/U12" INCDEC "1"}}  
>{"Dejanska DV1:" "13/U10" READ size="50"}}  
>{"Tlak:" "13/U10" WRITE}}  
Mediji:  
>{"Toplotna črpalka" "13/M2000" BIT}}
```



**Dodatne funkcije** omogočajo preslikavo spremeljivk med napravami, zajem podatkov (datalogger) in prikaz na grafu, e-poštna opozorila ob nastavljenih dogodkih.

Dostopa lahko **več uporabnikov z različnimi pravicami.**



Celotno konfiguracijo je mogoče **izvoziti in uvoziti** na novo napravo.

# Primer postavitve sistema

