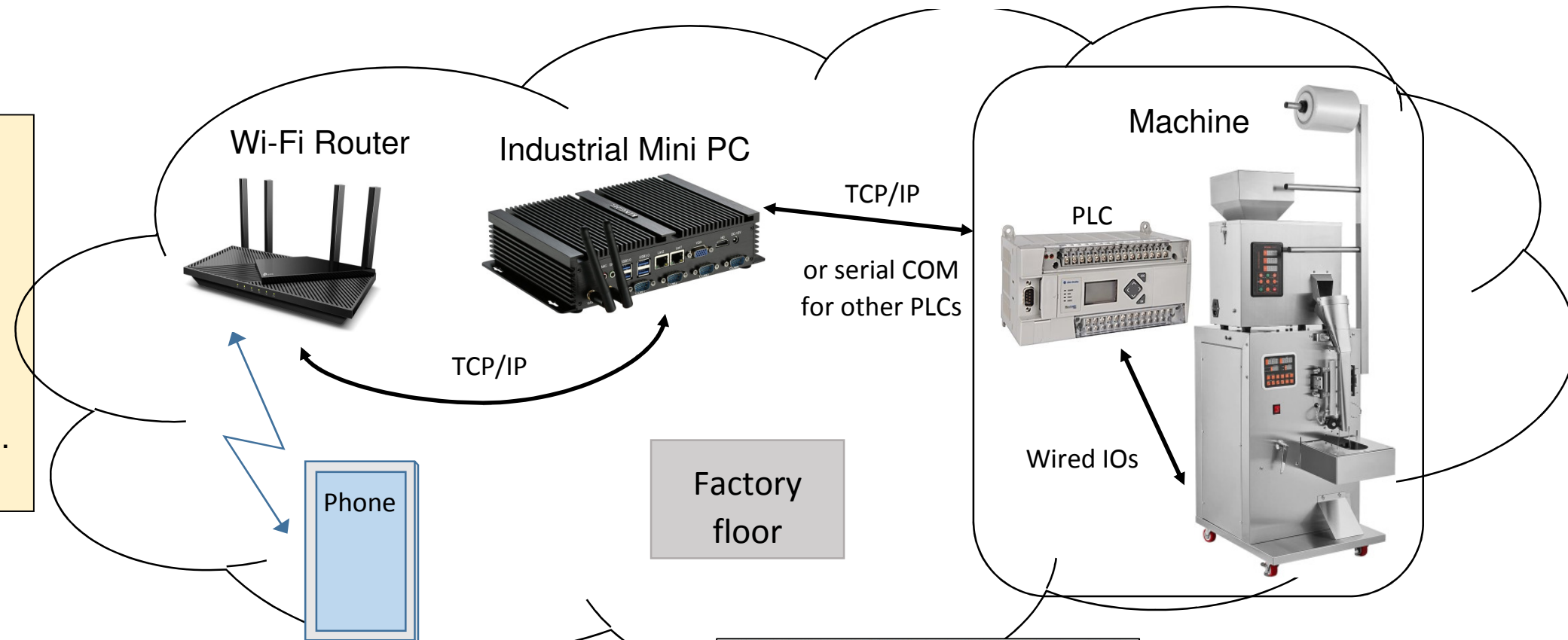


## Remote monitoring and control for industrial machines controlled with PLCs

### Mini PC software

- 1 **Windows** 11 Pro.
- 2 **Communication** with the PLC – FeABPLC, FeMODBUS, and/or other software.
- 3 **SCADA** for database read/write – FeSCADA.
- 4 **WAMP** (Windows OS, Apache web server, MySQL database, and PHP language support).



### How is it working?

- 1 The communication software is set up to read (write) from (to) the PLC the tags that are of interest for monitoring (control).
- 2 The SCADA software is writing (reading) tags to (from) the MySQL database – every **5 seconds**.
- 3 When accessed, the WAMP web server is displaying a login page. A **user name** and a **password** are required.
- 4 After login the user can have access to 3 web pages:
  - **Status** (tags that are read only – monitoring);
  - **Settings** (tags that can be written – control);
  - **Alarms** (shows the actual or history alarms).(The web pages are updating automatically every **5 seconds**.)

**Enter Login Details**

Username

Password

**Login**

### Project price: \$5000

Includes:

- Mini PC with all the software.
- 8 work hours to setup the system.

Welcome **John Doe**, You have successfully logged in!... Click to [Logout](#)

Your **Name Here**

**Application Example**

## FeSCADA

**Remote Monitoring and Control**

The "Guest" users will have access only to "Status" and "Alarms" data.

**Machine 1**

**Machine 2**

Contact: Silviu FRANDOS  
e-mail: sfrandos@gmail.com  
phone: 714-616-4460

Welcome **John Doe**, You have successfully logged in!... Click to [Logout](#)

Your **Name Here**

**Application Example**

## Machine 2

**Remote PLC control**

Description of the machine...  
Main functions and parameters...

**Status Settings Alarms**



Remote monitoring and control for industrial machines  
controlled with PLCs

Machine 2

STATUS

Select Tag Type

Both

Last updated: 2025-02-19 19:05:15

TagName - digital	Value
Remote_Enabled	1
Door1	1
Door2	1
Door3	1
VFD1_Alarm	0
VFD2_Alarm	0
VFD3_Alarm	0
VFD1_Running	1
VFD2_Running	1
VFD3_Running	0
Air_Pressure	1
Oven1_PID_Status	0
Oven2_PID_Status	1
Oven3_PID_Status	1

TagName - analog	Value
Oven1_Temperature	91
Oven2_Temperature	75.199997
Oven3_Temperature	74.5
Oven1_PID_OUT	0
Oven2_PID_OUT	-100

StatusSettingsAlarms

Machine 2

SETTINGS

Select Tag Type

Both

TagName - digital	Value	Switch
Remote_Request	1	<input checked="" type="checkbox"/>
VFD1_Start	0	<input type="checkbox"/>
VFD2_Start	1	<input checked="" type="checkbox"/>
VFD3_Start	0	<input type="checkbox"/>
Oven1_PID_Start	0	<input type="checkbox"/>
Oven2_PID_Start	1	<input checked="" type="checkbox"/>
Oven3_PID_Start	1	<input checked="" type="checkbox"/>
Send_Email	0	<input type="checkbox"/>

TagName - analog	Value	New Value
Oven1_PID_SP	85.5	
Oven2_PID_SP	65	
Oven3_PID_SP	65	
fTag1	10.25	
fTag2	20	
fTag3	30	

StatusSettingsAlarms

Welcome John Doe, You have successfully logged in!... Click to Logout

Your Name Here

Machine 2

ALARMS

Active and History

ActiveUpdate

Limit history to: 50 records

No alarms

StatusSettingsAlarms

Machine 2

ALARMS

Active and History

ActiveUpdate

Limit history to: 50 records

Records: 3

ID	State	Date	Time	Message
11	On	2025-02-19	19:08:12	PLC Alarms Present - check the HMI
10	On	2025-02-19	19:08:15	No Air Pressure
13	On	2025-02-19	19:08:16	Door2 is open - Close the door to run

StatusSettingsAlarms

Machine 2

ALARMS

Active and History

HistoryUpdate

Limit history to: 50 records

Records: 11

ID	State	Date	Time	Message
13	On	2025-02-19	19:08:16	Door2 is open - Close the door to run
10	On	2025-02-19	19:08:15	No Air Pressure
11	On	2025-02-19	19:08:12	PLC Alarms Present - check the HMI
5	Off	2025-02-19	16:56:02	Keep alive
5	On	2025-02-19	16:55:02	Keep alive
11	Off	2025-02-19	14:49:08	PLC Alarms Present - check the HMI
10	Off	2025-02-19	14:49:02	No Air Pressure
11	On	2025-02-19	14:48:54	PLC Alarms Present - check the HMI

StatusSettingsAlarms