

GETTING STARTED

Installation

Requirements, the setup wizard step by step, what the installer does, upgrade and clean install.

Online: mergenhub.envest.com.tr/docs/install

ON THIS PAGE

Requirements	Clean install
Running the setup wizard	Silent / unattended installation
First login	Installation log
Upgrading an existing installation	

MergenHub ships as a single Windows installer, `MergenHub-Setup-<version>.exe`. The package is **self-contained**: nothing else (no .NET runtime, no database server) has to be installed on the target machine.

Requirements

	MINIMUM	RECOMMENDED
Operating system	Windows 10 / 11, Windows Server 2016+ (64-bit)	Windows Server 2019+
CPU	2 cores	4 cores for 50K+ tags
RAM	4 GB	8 GB for 100K+ tags
Disk	2 GB free	SSD; historian growth depends on log groups
Rights	Local administrator for installation	—
Network	TCP access to devices; open ports for clients (see Firewall)	—

Browsers: current Chrome, Edge, Firefox or Safari for the web UI. No client installation is needed on operator PCs.

Running the setup wizard

Run the installer as an administrator. Every page has sensible defaults; you can click **Next** through all of them.

1. **License agreement and trial notice** — the installer explains trial mode (500 tags, 2-hour runtime window) and that entering a license key later removes the limits without reinstalling.

2. Server address and ports

- **Host / Domain** — `localhost` for local use only; `0.0.0.0` to listen on all interfaces (LAN access); a machine name or a real domain when publishing on the internet.
- **Web UI / REST API port** — default `8090` .
- **OPC UA port** — default `48010` .

3. Administrator account — the user name is fixed: `admin` .

- Enter a password now, or leave it empty to start with `admin / admin` and be forced to change it at first login.
- **Generate strong password** creates a 16-character password for you.
- When the host is anything other than `localhost` , a strong password is **mandatory** (10+ characters, three of: upper, lower, digit, symbol). The installer will not open the server to the network with a weak password.

4. Clean install (off by default) — when ticked, everything under `C:\ProgramData\MergenHub` (project, users, settings, logs) is **deleted** and you start with an empty project. Leave it off to upgrade in place.

5. OPC UA server security — both options are on by default for an easy first connection: *Allow anonymous* and *Auto-accept untrusted client certificates*. Restrict them in *Settings > OPC UA Server* before going to production.

6. HTTPS / web security

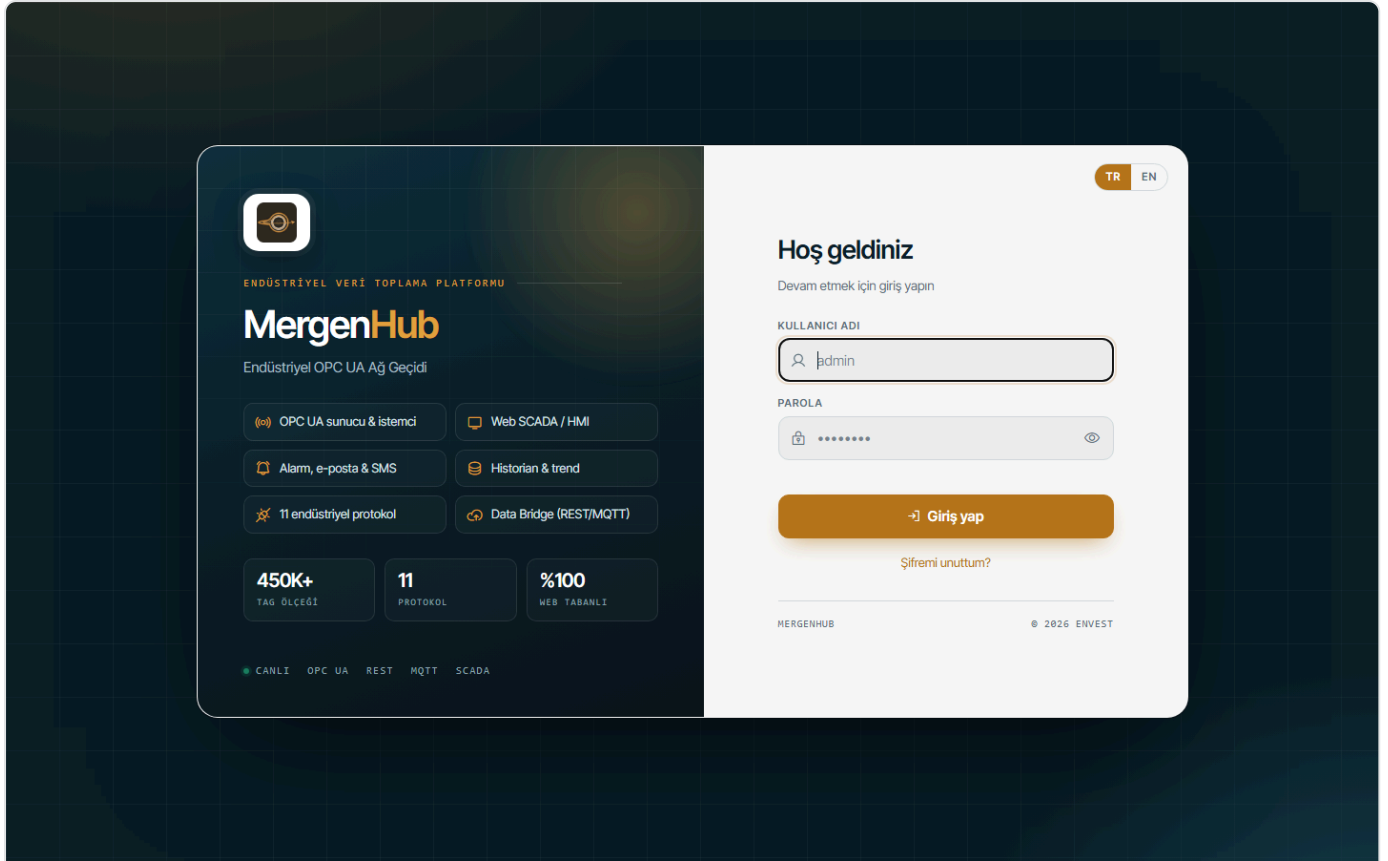
- HTTP only (default; fine for local and test use)
- HTTPS with a self-signed certificate generated during setup (browsers warn once)
- HTTPS with your own PFX certificate (path and password are asked)
- The HTTPS port (default `443`) is asked when HTTPS is chosen.

7. Domain and DNS check — appears only when a real domain was entered. It resolves the domain and compares it with the machine's public IP so you know whether the A record already points here.

8. Service startup behaviour — start at boot (default) and automatic crash recovery with a configurable delay.

At the end the installer:

- writes `settings.json` and `appsettings.Production.json` (data root), creates `C:\ProgramData\MergenHub` ,
- generates the OPC UA server certificate and, if chosen, the HTTPS certificate,
- adds **Windows Firewall** rules for the web, OPC UA and (if enabled) HTTPS ports,
- registers and starts the three Windows services,
- installs the system-tray manager for all users and opens the web UI.



First screen after installation: the login page

First login

Open `http://localhost:8090` (or the address you configured). Sign in with `admin` and the password you chose. If you left the password empty, you sign in with `admin / admin` and are asked to set a new password immediately.

Continue with [Quick start: first live data](#).

Upgrading an existing installation

Run the new installer over the old one. It detects the existing installation, stops the services, replaces the program files and **keeps everything under** `C:\ProgramData\MergenHub` : project, users, settings, certificates, license and history. Old service names from early versions (`MergenHubIoTGateway` , `MergenHubDataLogger`) are removed and re-registered under the new names automatically.

Tip Licensed installations are told about new releases inside the application (*Settings > License > Check updates*, and a once-a-day notice). Upgrades are free for the life of the license.

Clean install

Tick **Clean install** in the wizard when you want to discard an old project on a machine that was used for tests. This is irreversible; export the project first if there is anything worth keeping (*Connectivity > Export*).

Silent / unattended installation

The installer is built with Inno Setup and accepts the standard switches:

```
MergenHub-Setup-3.1.19.exe /VERYSILENT /SUPPRESSMSGBOXES /NORESTART /LOG="C:\Temp\mh-setup.log"
```

Wizard values fall back to the defaults (localhost, 8090, 48010, admin/admin with forced change). For a scripted deployment prepare C:\ProgramData\MergenHub\settings.json beforehand; the installer keeps an existing file.

Installation log

%TEMP%\MergenHub-Setup.log records every step, including service registration and firewall commands. Attach it to a support request if setup fails.