

# Owa450 Development Kit

TAKE COMPLETE CONTROL OF REMOTE DATA COLLECTION AND PROCESSING  
THE owa450 IS THE PERFECT PLATFORM FOR CONTROLLING AND MONITORING  
YOUR INDUSTRIAL MACHINES AND VEHICLES

## DK OWA450 INCLUDES:

### 1 Integrated Packages in FS

- Full range of tools and libraries of a Debian 10 Stretch OS.
- For example:
- OTA upgrade support, mtdutils.
  - Voice call over IP.
  - can-utils package.
  - ALSA utils (units with codec).
  - BlueZ tools (units with BlueTooth).
  - WiFi tools (units with WiFi).
  - iptables firewall, AppArmor and other Cybersecurity tools.

### 2 Available Packages

Access to standard Debian Repositories for ARM, unleashing the full potential of Open Source software and the support of the GNU Linux community.

### 3 Multiple programming languages



### 6 Hardware and Accessories:

- owa450 Development Kit board.
- owa450 system connector with 24 cables.
- owa450 system connector with 14 cables.
- 2 LTE Antennas.
- GNSS Antenna.
- 4 ohm Speaker.
- Microphone.
- AC/DC Power Supply 230Vac-12Vdc.
- USB-RS232 cable

### 4 Developers Zone Access:

- Crosscompiler & toolchain.
- Latest owa4x FW (Debian 10/Linux 4.19.94).
- Ready to use development environment (Debian Virtual Machine and Docker container).
- Full and up-to-date documentation about the Owasys products.
- Application Notes and code samples detailing the usage of the most important owa4x features:
  - o IO → owa4x\_AN3
  - o GPS2 → owa4x\_AN5
  - o Power modes → owa4x\_AN8
  - o GSM → owa4x\_AN24
  - o KLine → owa4x\_AN9

### 5 owa4x microservices & modules

Installable packages with ready-to-use services and modules for Network management, Location, IO interaction...



(Gateway not included)

