

# Owa4X Development Kit

POWERFUL LINUX IoT GATEWAY TO PROCESS DATA COMING FROM WIRED AND WIRELESS SENSORS/DEVICES/PERIPHERALS.

## DK OWA4X 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 Accesories:

- owa4x Development Kit board
- owa4x system connector with 35 cables
- IP67 antenna combo\*
- 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)

\* POP 100 9100#00 includes 2G/3G & GPS combi antenna  
POP 109 9100#00 includes LTE & GNSS combi antenna