

owa5X Development Kit

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

The owa5X DK includes:

1 Integrated Packages in FS

- Full range of tools and libraries of a Debian 11 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



4 Hardware and Accesories:

- owa5X Development Kit board
- owa5X system connector with 35 cables
- Antenna LTE&GPS
- AC/DC Power Supply 230Vac-12Vdc
- USB A - USB A cable
- USB - RS232 cable

5 Developers Zone Access:

- Crosscompiler & toolchain
- Latest owa4X FW (Debian 11/Linux 5.4.70)
- 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 → owa5X_AN3
 - o GPS2 → owa5X_AN5
 - o Power modes → owa5X_AN8
 - o GSM → owa5X_AN24

6 owa5X microservices & modules

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



(Gateway not included)