owa450 Development Kit

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

The owa450 DK 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 programing languages

4 Hardware and Accesories:

- 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

5 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

6 owa4X microservices & modules

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

(Gateway not included)

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