

# owa450



## Development Kit

### The owa450 DK includes:

#### 1 Integrated Packages in FS

Full range of tools and libraries of a Debian 10 Stretch OS.

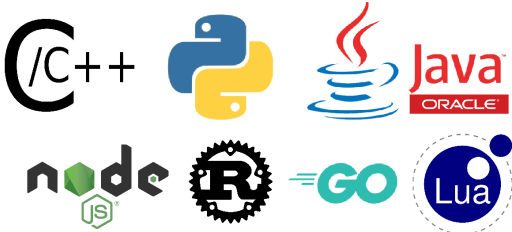
For example:

- 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, WireGuard 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 Accessories

- owa450 Development Kit board
- owa450 system connector with 24 cables
- 2 LTE Antennas & 1 GNSS Antenna\*
- AC/DC Power Supply 230Vac-12Vdc
- USB to RS232 cable

**Only with the owa450A+ variant:**

- owa450 system connector with 14 cables
- 4 ohm Speaker
- Microphone

\* The owa450I DK doesn't include GNSS Antenna

#### 5 Developers Zone Access

- Crosscompiler & toolchain
- Latest owa450 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 owa450 features:
  - o IO → owasys\_AN3
  - o GPS2 → owasys\_AN5
  - o Power modes → owasys\_AN8
  - o GSM → owasys\_AN24
  - o KLine → owasys\_AN9

#### 6 owa450 microservices & modules

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



(owa450 gateway not included)