The owa450 DK includes:

1. **Integrated Packages in FS**
   - Full range of tools and libraries of a Debian 10 Stretch OS.
   - 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 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

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:
     - IO → owa4X_AN3
     - GPS2 → owa4X_AN5
     - Power modes → owa4X_AN8
     - GSM → owa4X_AN24
     - KLine → owa4X_AN9

6. **owa4X microservices & modules**
   Installable packages with ready-to-use services and modules for Network management, Location, IO interaction...

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

(Gateway not included)