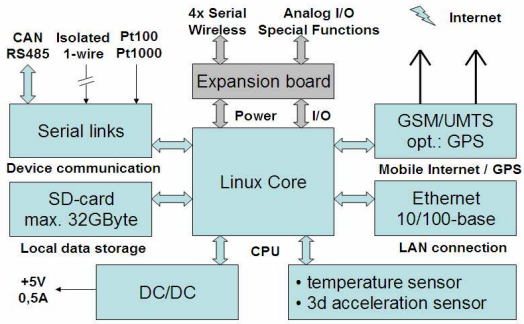
Easy Internet Access product for the my-devices.net[1)] portal !

Raiatea XEAP-9215 offers a compact, flexible and low-cost solution to connect remote microcontroller systems to the internet and access them via standard browsers or smart phones.

Mobile as well as wired internet access is supported by integrated GPRS and UMTS modules and 10/100 base LAN. The internet access requires no modification of host LAN configuration like port-forwarding nor any extra installation effort !

Thus it is a powerful device for remote sensing, diagnostic, data logging, maintenance and control.

XEAP: eXtensible Embedded Access Platform



Application Areas:

- Solar energy systems
- Heating/Cooling systems
- Energy management/Smart grid
- Machines with serial or bus interfaces
- Remote sensor and control units
- Ticketing/access control systems
- Battery powered devices
- Emergency systems

Main features:

- Linux system with 150MHz ARM9 CPU
- Highly secure encrypted data links
- GSM/GPRS or UMTS mobile internet
- 10/100-base Ethernet LAN connection
- SD memory data storage
- CAN and RS-485 serial links
- Isolated data input
- 2 Pt1000 temperature sensor inputs
- Power supply: 10V – 30V
- Size: 120mm x 80mm

Options:

- WiFi wireless data link
- GPS receiver
- Expansion boards for custom-specific functionality enhancements
- HW and SW modifications according to specific customer requirements

Enclosures:

- XEAP-9215 is optimized for the Starcase 230.092.000 (160x90x50mm) plastic case

Product description:

XEAP-9215 is a platform for compact and flexible systems that require internet or global mobile connectivity. With its on-board SD card it is particularly suited for data logging tasks. Its flexibility stems from several assembly options, from custom-specific expansion boards, and from a highly structured software design approach based on the powerful, open-source POCO C++ class library[1)]. This allows for easy and cost-effective custom-or application-specific modifications like. In this way, more serial links, bus connections or several analog or digital I/O may be realized.

[1] my-devices.net is an cloud-based solution of Applied Informatics GmbH for internet access and device management. The POCO C++ framework is a powerful cross-platform toolset of Applied Informatics GmbH.