The future is wireless:
Discover our new wireless connectivity solutions

Radio Modules:
Calypso
Thebe-II
Proteus-II
BRAND NEW
sensor portfolio

Humidity

INDUSTRY 4.0

Temperature

HOME & BUILDING

SMART FARMING

SMART CITY

MOBILITY

WIND POWER

DELIVERY

Pressure

Acceleration
Wi-Fi module

Calypso

Fully featured standalone module

Part No. 2610011025000

The Calypso WLAN module is a compact Wi-Fi module based on IEEE 802.11 b/g/n with a fully featured TCP/IP stack. The edge castellation, smart antenna configuration and an easy-to-use AT style command interface enable easy integration into any embedded application.

The module supports IPv4 as well as IPv6 and implements several commonly used network applications like SNTP, DHPv4, DHCPv6, mDNS, HTTP(S), MQTT out of the box. Advanced security features like up to 6 simultaneous secure socket, secure boot, secure storage and secure OTA update provide a good basis for a secure end product.

Whether a serial cable replacement or low power IoT application with cloud connectivity, the Calypso Wi-Fi modules offers a robust WiFi connectivity solution for industrial applications.

- Fully featured standalone Wi-Fi module
- IEEE 802.11 b/g/n, 2.4 GHz
- Small form factor: 27.5 x 19 x 4 mm
- -40 °C - +85°C
- Smart antenna selection (Integrated PCB antenna or external antenna)
- Low power operation to support battery operated applications
- On board TCP/IP protocol stack supporting IPv4 and IPv6
- 15 simultaneous transport layers sockets including up to 6 secure (SSL/TLS) sockets

www.we-online.com
Radio module for industrial applications

Thebe-II

Proprietary solution with extreme range

Part No. 2609031181000

You need even more range than the Tarvos-III (AMB8826-1) provides? Just drop-in the Footprint, Pinout and Command Interface compatible Thebe-II into your application. Thanks to its long range mode with outstanding RX sensitivity and the extra juice on the TX power, line of sight radio ranges of up to 20 km can be realized.

The drop-in compatibility with Tarvos-III spares you the extra effort of hardware design and software implementation.

- 500 mW (+27 dBm) TX Power
- Range of up to 20 km*
- Small form factor: 27 x 17 x 4 mm
- Drop-in compatible to Tarvos-III [Part.-No.: 2609011181000] (Footprint, Pinout and Command Interface)

* line of sight, 6 m antenna height
Bluetooth low energy 5.0 module

Proteus-II

Sends wireless packets with higher data rates

Part No. 2608011024010

Proteus-II, the Bluetooth low energy 5.0 module has the ability to send wireless packets with higher wireless data rates of up to 2 Mbit/s. Additionally, the newly developed “Throughput Mode” allows to send multiple wireless packets per connection interval and thereby increases the data throughput up to 200 kbit/s.

Proteus-II includes all the features of the industrially proven Bluetooth low energy 4.2 wireless module Proteus-I (central- & peripheral-function, beacons, big data packets, multiple security modes, bonding…) and combines them perfectly with an optimized data throughput.

- Extremely power efficient
- PCB antenna or antenna pad
- Nordic nRF52832
- -40°C - +85°C
- 512 kB Flash Memory
- Ultra low power sleep mode
- Small form factor: 11 x 8 x 1.8 mm
more than you expect

Internet of Things

Sense & Control

Automated Meter Reading