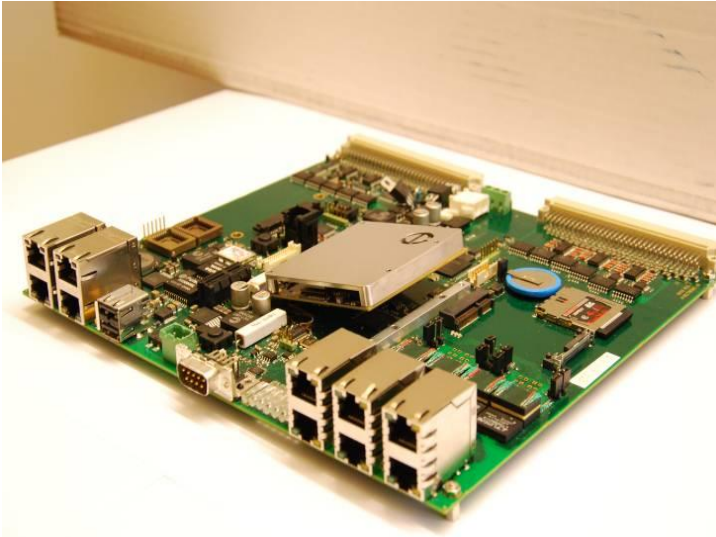


SENSOR PLATFORM "ODIN" BASED ON QSEVEN



FIELD SENSOR PLATFORM "ODIN"

This customized carrier board is a field sensor platform/logger for rough and remote outdoor environments. Its design and wide variety of I/O enables it to integrate with almost any kind of sensor and communication solution on the market. The platform is design for high quality, serviceability and long-lifetime (>10 years). The components are carefully chosen for their high reliability and well known and long-term availability.

CUSTOMIZED MEASUREMENT SOLUTIONS

We design a customized solution based on this sensor platform. Sensors are integrated; data is collected and processed to perform different customer solutions. The platform is equipped with a powerful processor and therefore is suited for performing processing and analysis in the field.

EXAMPLE OF SOLUTIONS

- Weather station (road, rail, airport)
- Ice detection system
- Lightning monitoring and warning system
- Power line monitoring
- Radiation monitoring and warning system
- CBRN monitoring and warning system
- Variable speed limits with adjustable road signs
- Real time image analysis of ice, intrusion, statuses

Q7 COMPUTER-ON-MODULE

The Qseven concept is an off-the-shelf, Computer-On-Module that integrates all the core components of a common PC and is mounted onto an application specific carrier board. The Qseven module provides the functional requirements for an embedded application.

VI ÄR ALLA KONSULTER PÅ COMBITECH, ett av Sveriges största konsultföretag som kombinerar teknik, miljö och säkerhet. Vi är ca 800 medarbetare på 20 orter.

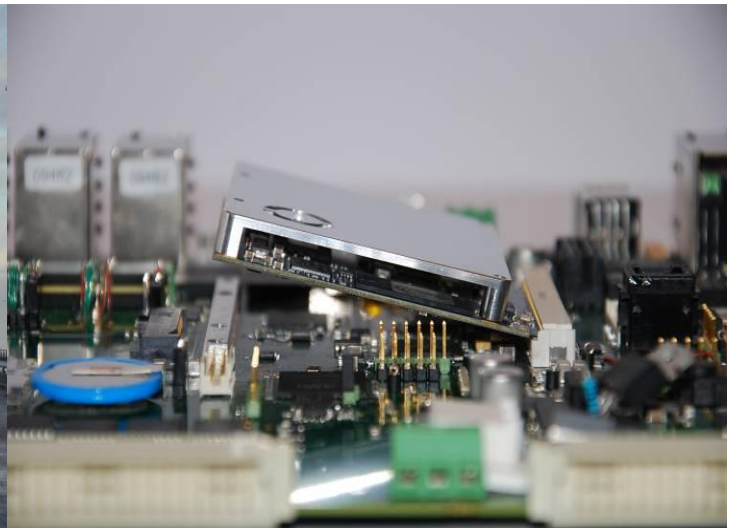
SENSOR PLATFORM “ODIN” BASED ON QSEVEN

SENSOR PLATFORM FEATURES

Parameter	Specification
Ethernet	4 x 10/100/1000 Megabit Ethernet
Serial ports	2 x RS-232 4 x RS-232/422/485 (selectable)
USB	2 x USB 2.0
GPS	1 x GPS receiver, 50 channels
SDIO	1 x Secure Digital Input/Output (WLAN, ZigBee, Bluetooth, storage)
PCIe PCIe mini card	1 x PCIe x1 slot (graphic card, exp) 1 x PCIe mini card (GPRS, GSM)
Storage	1 x SATA
Display	1 x LVDS connector
Watchdog	Dedicated MCU for supervision of the carrier board and Q7 module

SENSOR PLATFORM FEATURES

Parameter	Specification
Digital	16 x Input 16 x Output 16 x Bidirectional Input/Output
Analogue	16 x Input
Counter	8 x Counters
FPGA	1 x FPGA for high speed processing of digital, analogue and counter inputs/outputs
Power	5 VCD, 12 VCD for PCIe
Operating system	Linux or Windows
Temperature	-40 ... +55 C°
Size	233,4 x 220 mm
CPU	QSeven CoM slot 70 x 70 mm www.qseven-standard.org



VI ÄR ALLA KONSULTER PÅ COMBITECH, ett av Sveriges största konsultföretag som kombinerar teknik, miljö och säkerhet. Vi är ca 800 medarbetare på 20 orter.

For further information, please contact:
Patrik Jonsson, phone +46 73 44 60 318
patrik.jonsson@combitech.se

www.combitech.se www.rwis.net

Visiting address:
Combitech AB
Storlienvägen 56, 831 25 Östersund
Phone: +63 15 60 00