



Wireless.Brains

S3730

➤ Gateway System with GPRS/UMTS

The S-3730 is a powerful, industry-capable remote gateway server that combines a microprocessor for powerful computing and an expandable memory together with interfaces for local and remote telecommunications. In addition to a modem function, the S-3730 has an open programmable system with the option of local data storage. It also offers pre-installed software and a flexible and comprehensive platform for Setrix programs and customer-specific applications.

Hardware

Up to 512 MByte SDRAM, 128 MByte flash onboard memory and SD flash card disk can be used in the S-3730. The Ethernet interface

can be used for integration into a local network or for connection to other devices such as network cameras. A quad-band GPRS/edge module or a tri-band HSDPA/UMTS module can be integrated.

Software

The operating system is based on Linux. Due to careful configuration and optimization of the kernel and root filesystem we have created a compact operating system at the core of the firmware without compromising the performance and flexibility of Linux. The S-3730 is an ideal platform for customized applications. Upon request Setrix can supply a cross-compiler

development packet for all major Linux distributions.

In addition, Setrix provides on-site training and support for OEM customers or develops bespoke applications and device drivers for customers.

Options

If desired, the S-3730 can be equipped with extra flash and SDRAM memory. In addition, one USB interface is configurable and a 160-pin interface can be mounted on the system for customized expansion boards. An SD or MS insert slot is designed for the data memory.



Flexibility and Security

The S-3730 is designed for automatic and continuous operation. The Linux-based operating system is renowned for its reliability, compact dimensions and security. The core operating system fits into less than 3 MByte flash memory which leaves 5 to 125 MByte onboard flash memory available for additional system software components, customer applications and data. The option of data storage on an SD memory card ensures sufficient data capacity is available.

Wide range of communications

All communication interfaces are equipped with complete TCP/IP support. A configurable firewall together with SSL (Secure Socket Layer) and VPN (Virtual Private Network) support provide a high level of security.

Power supply

The S-3730 requires a maximum power supply of 1A at 5 volts with 2A DC if all options are installed and operational. Depending on the operating mode and installed hardware features, it can average less than 200mA.

Housing

The S-3730 is supplied with a compact and robust aluminum housing. As the unit does not have a cooling fan it operates silently.

Customer-specific hardware versions

Due to the modular hardware design of the S-3730, Setrix is able to develop a variety of customized hardware configurations. Various I/O ports, modified mains adapters and housing variants can be implemented to suit customer requirements.

Setrix S3730 im Detail

• Kommunikation

1 x RS-485, 2 x RS-232, 1 digital Output und 3 digital Inputs, 10/100 Base-T Ethernet, Quad-Band GPRS/EDGE Modem

• System

MPC885 PowerPC Micro Processor 133 MHz
8 Mbytes Flash, 32 MB SDRAM, erweiterbar bis 128 MB Flash und 512 MB SDRAM

• optionale Erweiterungen

SD Memory Card, Memory Stick MS Card
USB 1,1, Host Controller
160-pin Board-Connector für HW-Erweiterung
Tri-Band UMTS Modul

• Stromversorgung

Externes Netzteil 5 V

• Abmessungen

105 mm x 75 x 32 mm (L x B x H)
Angaben ohne Antenne, Anschlüsse und Befestigung, Hutschienen- oder Wandmontage

• Softwarefunktionen

Linux 2.4.25 Kernel, GNU Libc 2.1.3,
GNU / Linux OS, IPv4 Protokoll Stack,
GPRS Integration, integrierte Firewall, HTTP- und FTP- Server, Cross-Compiler

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We will be glad to provide further details

07.12.200x 17:23 gateway P1 is OFFLINE
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07.12.200x 17:22 gateway P7 is OFFLINE
07.12.200x 17:21 gateway P3 is OFFLINE
07.12.200x 12:57 P4 GPRS Modus Aktiv
07.12.200x 12:50 gateway P3 is ONLINE
22.11.200x 11:27 gateway P7 is ONLINE
22.11.200x 10:54 gateway P7 is OFFLINE
07.11.200x 16:27 gateway P4 is ONLINE
07.11.200x 16:27 P3 GPRS Modus Aktiv
07.11.200x 16:27 gateway P7 is ONLINE
07.11.200x 16:27 gateway P3 is ONLINE
07.11.200x 16:26 gateway P1 is ONLINE
29.10.200x 15:22 gateway P3 is OFFLINE
29.10.200x 20:21 P4 is OFFLINE
29.10.200x 20:20 gateway P1 is OFFLINE
29.10.200x 20:20 gateway P7 is OFFLINE
29.10.200x 15:59 P4 GPRS Modus Aktiv
29.10.200x 15:58 P1 GPRS Modus Aktiv
29.10.200x 15:57 gateway P1 is ONLINE
29.10.200x 15:57 P3 GPRS Modus Aktiv
29.10.200x 15:57 gateway P3 is ONLINE
29.10.200x 15:57 gateway P4 is ONLINE