



Wireless.Brains

S3721X

► Remote Server & Residential Gateway

The S-3721X is a powerful remote server that combines a powerful microprocessor, extended storage capabilities and both local and wide area communication interfaces. Its preinstalled software provides a flexible and comprehensive environment for customer applications.

Hardware

Up to 128 MByte of SDRAM, up to 32 MByte of flash memory and up to 2 GBytes of disk space can be utilized in the S-3721X. The USB host bus and the ethernet interface can be used to integrate the system into local area networks or add external devices like USB cameras, frame grabbers or additional serial interfaces. An internal GSM or GPRS module is also available.

Software

The operating system is based on Linux. Careful configuration and tuning of both kernel and root filesystem result in a small footprint of the core firmware without affecting the power and flexibility of Linux. Special features of the firmware are: Flash filesystem with journaling and wear leveling, Factory installed SSL secrets, DHCP client / server, WLAN access point support and GSM API. The S-3721X is an ideal plat-

form for customer applications. Setrix can deliver a cross-compiler based development package running on all major Linux distributions. Setrix offers on-site training and support to OEM customers. Setrix does application or device driver development.

Options

The S-3721X is available with an internal backup battery that allows up to several hours of operation in the absence of power. ◀



► Flexibility & Security

The S-3721X is designed for permanent and unattended usage. Its Linux based operating system is well known for its reliability, compactness and security. The core operating system fits in less than 2 MBytes of flash memory leaving 6-24 MBytes of on-board flash for additional system software components, customer applications and data.

Communication makes it all

All communication interfaces come with full TCP/IP support. An adjustable firewall together with SSL (Secure Socket Layer) and VPN (Virtual Private Network) support provides a high level of security.

Power Consumption

The S-3721X requires a maximum supply current of less than 600mA at 12V DC with all options installed and in operation. Depending on operation mode and installed hardware features the average current may be as low as 100mA.

Housing

The S-3721X comes in a compact and robust aluminium housing. Fanless operation results in no noise generation.

Customer Specific Hardware

Due to the modular hardware design Setrix is able to develop customer specific hardware configurations of the S-3721X. Different I/O ports, modified power supply and housing variations can be developed on customer request. ◀

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2d2d 5a75 0400 0000 ---.Tue
000010 4665 3620 0400 0800 Feb 6 17
000020 3a34 3439 0400 1000 :43:49 M
000030 4554 3030 0400 1800 ET 2001.
000040 746f 2b34 0400 to: +491
000050 3732 3230 0400 2800 72832072
000060 310a 6173 0400 3000 1.reason
000070 3a20 3730 0400 3800 : s3700_
000100 3720 6420 0400 4000 7 did re
000110 626f 0a73 0400 4800 boot.suc
000120 6365 6675 0400 5000 cessfull
000130 0a2a 2021 0400 5800 .*** !AL
000140 4152 202a 0400 6000 ARM! ***
000150 5475 4665 0400 6800 Tue Feb
  
```

Setrix S3721X in Detail

► Operation Modes	Standalone, connected to centralized control and messaging system via Internet and/or mobile networks
► Communication	RS-232, RS-422/485, <i>optional</i> GSM (Data + SMS), GPRS, Ethernet, USB local, WLAN
► Dimensions	130 mm x 104 mm x 45 mm (LxWxH; without antennas, connectors and mounts)
► System	CPU with high computational power, 64 or 128 MB RAM and 8-32 MB Flash ROM; Multi-tasking operating system; <i>optional</i> dual CF-II connector
► Interfaces	<i>Optional</i> 10MBit Ethernet (RJ-45), USB host and slave, WLAN, Microdrive, second ethernet controller.
► Power Supply	Wall outlet transformer 5V or 8V to 32V DC, <i>optional</i> battery
► Software	Linux OS, SSL, VPN, firewall, multiple filesystems, SMS, E-Mail, Web server, telnet and ftp daemon.

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000470 320a 6173 0400 3801 2.reason
000500 3a20 4152 0400 4001 : ALARM:
000510 204c 6874 0400 4801 Licht a
000520 6e21 7563 0400 5001 n!.succe
000530 7373 6c6c 0400 5801 ssfull.*
000540 2a2a 414c 0400 6001 ** !ALAR
000550 4d21 2a2a 0400 6801 M! ***Th
000560 7520 6220 0400 7001 u Feb 8
000570 2031 3036 0400 7801 12:06:1
000600 3320 5420 0400 8001 3 MET 20
000610 2d2d 5a75 0400 8801 01.---.T
000620 6875 6562 0400 9001 hu Feb 8
000630 2031 3036 0400 9801 12:06:1
000640 80333 Munich 0400 a001 3 MET 20
000650 2031 6f3a 0400 a801 01.to: +
000660 +49'89'2'88'90'200 tel b001 49175432
000670 +49'89'2'88'90'505 fax b801 9332.rea
000700 736f 2041 0400 c001 son: ALA
000710 524d 4c69 0400 c801 RM: Lich
000720 7420 210a 0400 d001 t an!.su
000730 6363 7366 0400 d801 ccessful
000740 6c0a 2a20 0400 e001 1.*** !A
000750 4c41 2120 0400 e801 LARM! **
000760 2a54 2046 0400 f001 *Thu Feb
000770 2020 3132 0400 f801 8 12:0
001000 363a 204d 0400 0002 6:37 MET
001010 2032 310a 0400 0802 2001.--
001020 2d0a 7520 0400 1002 -.Thu Fe
001030 6220 3132 0400 1802 b 8 12:0
001040 363a 204d 0400 2002 6:37 MET
001050 2032 310a 0400 2802 2001.to
  
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