



Wireless.Brains

S 3720

► Intelligent Interface for the Web

The S-3720 uses the Internet (or intranet) to collect distributed information from systems and appliances connected to it via local serial interfaces. Transmission of status, error reports and alarms is made possible with minimum installation effort. It is possible to connect to central servers as well as individual mobile or stationary devices. The integrated GSM communication module allows usage in all areas with 900 or 1800 MHz network coverage. Built-in security prevents unauthorized access.

The S-3720 contains a powerful operating system, which allows simultaneous control and monitoring of multiple appliances via serial protocols. A 2 wire RS-485 interface and a TTL RS-232 interface are operated simul-

taneously. The modular design of the operating system supports the implementation of proprietary protocols.

Multi-purpose device

The Setrix S-3720 combines these outstanding capabilities in a single, compact device. The acquired data is analyzed, compressed and logged locally by a powerful processor. Should an alarm condition be met, one or more targets are contacted over the GSM mobile phone network. All data and event

information is accessible on-demand. A flexible access right, authorization and encryption mechanism protects the data. Built-in non-volatile storage capacities of up to 1 GB are available. If required, a local Web server can be activated to handle both remote and local requests. This enables powerful user interfaces on stationary or mobile terminal devices like PC, mobile phone or PDA (Personal Digital Assistant).

S 3720



► Smart Appliance Management

Setrix S-3720 is designed as an autonomous system with high computing power and minimal energy consumption. The state-of-the-art hardware components and a reliable operating system provide flawless nonstop operation. Setrix S-3720 can be installed with minimal effort. The extensive use the web technology allows centralized administration of large numbers of Setrix S-3720. The individual configuration of individual Setrix S-3720 is possible.

Communication makes it all

Typical applications for Setrix S-3720 are: distributed monitoring of applications with respect to operation status, error condition and energy consumption, remote control of furnaces and air conditioners as well as data logging and dedicated tasks in facility management. Setrix S-3720 provides the needed functionalities. Up to three independent communication channels can be used at the same time (see Detail at right). The application and the user can define when and how the data is transmitted. Data transfer is triggered internally or externally.

Networking elements are other peer Setrix S-3720, stationary or mobile communication devices (PC, phone, fax), or supervisory control and messaging systems.

Setrix S-3720 provides tailored, solution matching and low-cost telecommunication structures to collect distributed information.

Datasheet

```
000000 2d2d 5475 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 2800 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 S3720 in Detail

► Operation Modes	Standalone, connected to centralised control and messaging system via Internet and/or mobile phone.
► Communication	GSM (Data + SMS), RS-232 (TTL) and RS-485 (2 wire) local, optional GPRS Module
► Dimensions	112 mm x 64 mm x 32 mm (L x W x H; without connectors)
► System	Low Power CMOS CPU with high computational power, 8 MB RAM and 2 MB Flash ROM; Multi-tasking operating system, optional 32 MB RAM, optional Flash Expansion
► Power Supply	5 V DC, optional rechargeable battery
► Software	Alarm trigger, SMS, E-Mail, Web server (depending on storage)

```
000460 3735 3239 0400 3001 75432933
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
000580 7520 6220 0400 7801 3 MET 20
```

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000720 . t an!.su
000730 . ccessful
000740 . 1.*** !A
000750 . LARM! **
000760 . *Thu Feb
000770 . 8 12:0
001000 . 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 7520 6220 0400 2002 6:37 MET
```