

Safety, availability, experience

Our new and versatile display, operating and control unit is perfectly suited for use in the rough industrial environment. The powerful platform is equipped with a 32 Bit ARM9 Processor. By means of a daught-board we offer you the expanded possibility to configure your requirements, such as additional or new interfaces as well as other new electronic functions to your individual needs.

The use of this device is also well-suited for new projects and as replacement for older devices with 16 Bit Processors.

Your customer benefits in a nutshell:

- Flexible network linking and remote diagnosis by the combination of modern interfaces such as Ethernet, USB, RS232 or RS485.
- From easy to extensive graphic outputs possible through the individual selection possibilities of display types from 5.7" to 10.4" and the resolutions QVGA, VGA and WVGA.
- Cost-friendly and fast transfer of your application programs to other hardware platforms by means of the individual use of LINUX (embedded) or Windows CE 5.0 operating systems.
- Growing performance capacity of the device at simultaneously guaranteed downward compatibility by means of the continuous further development of our ARM platform concept.
- The housing models are available as handheld and built-in devices. We will also gladly consider your individual requirements.
- Individual memory expansion for RAM and Flash.



Built-in unit with 5.7" display



Handheld device with 8.4" display

Other uses and application areas:

The Sitouch is suitable for all kinds of machinery and devices for controlling, parameterisation and graphic output,

e.g.:

- Industrial plants
- Generation and distribution of energy
- Wastewater technology
- Traffic management

Sitouch

Display and Operating Device
with ARM9 / 32 Bit Controller

Electronic Design and Manufacturing Services

SIEMENS

The most important technical data in overview

Processor:	ARM9 with 177 MHz
Memory:	32 / 64* / 128MB NOR Flash 64* / 128MB SDRAM 32KB EEPROM optional NV RAM *Standard equipment
Operating system:	WINDOWS CE 5.0 / embedded LINUX
Display:	TFT display in the sizes 5.7" to 10.4" with the resolution 1/4 VGA and WVGA
Touch:	4-wire resistive
External interfaces:	RS232 with 9-pole Sub D plug RS485 with 9-pole Sub D plug Ethernet 10/100 with RJ45 plug 2 x USB HOST
Internal interfaces:	JTAG RS232 SPI I2C 16 x GPIO
Power supply:	24 V DC +/- 20% with 3-pole Phoenix plug power input 15 W
Additional functions:	RTC battery-backed Power interruption recognition with emergency data backup 3 x LEDs for status display
Mechanics:	Handheld device dimensions approx. 290 x 220 x 60 mm (8.4" display) Built-in device dimensions approx. 200 x 100 x 70 mm (5.7" display) Other measurements on request
Environment temperature:	Operational environment temperature: 0 to 50 °C -15 to 60 °C with integrated temperature management (reduces the clock speed to 155 MHz) Storage temperature: -25 to 70 °C

Scope of delivery: Pre-installed operating system
WINDOWS CE or embedded
LINUX according to your choice

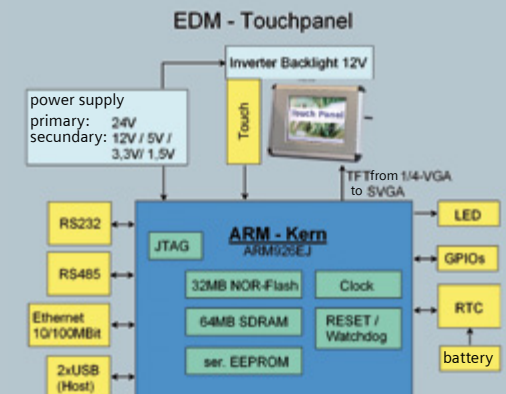
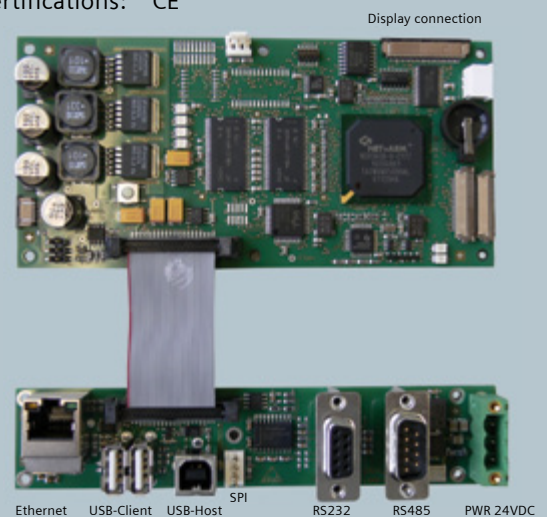
Accessories: Software Support Package for
RAM and Flash. In addition to the
Microsoft Flash File System the
very robust Flash File System
FCPpro from Datalight is
available for Windows CE.

Operating documentation

This modular system offers you ample space for ex-
pansion and adaptations. If you have any questions
about applications program creation, our experts are
ready to assist you with advice.

Compliance with essential standards:

Certifications: CE



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