

System Examples

miriac®

Carries NXP® C
miriac® MPX So



Highlights

- RS232/485, USB
- 2xLAN, CAN
- SD-Card (intern) , RFID
- optional a SATA - interface and/or a SPI extension



Product Description

The HMI1022 offers RS232/485, USB, 2xLAN, CAN, SD-Card (internal), RFID, optional a SATA-interface and/or a SPI extension. A very wide use spectrum for embedded applications is already covered with this group of basic I/O functions.



Features

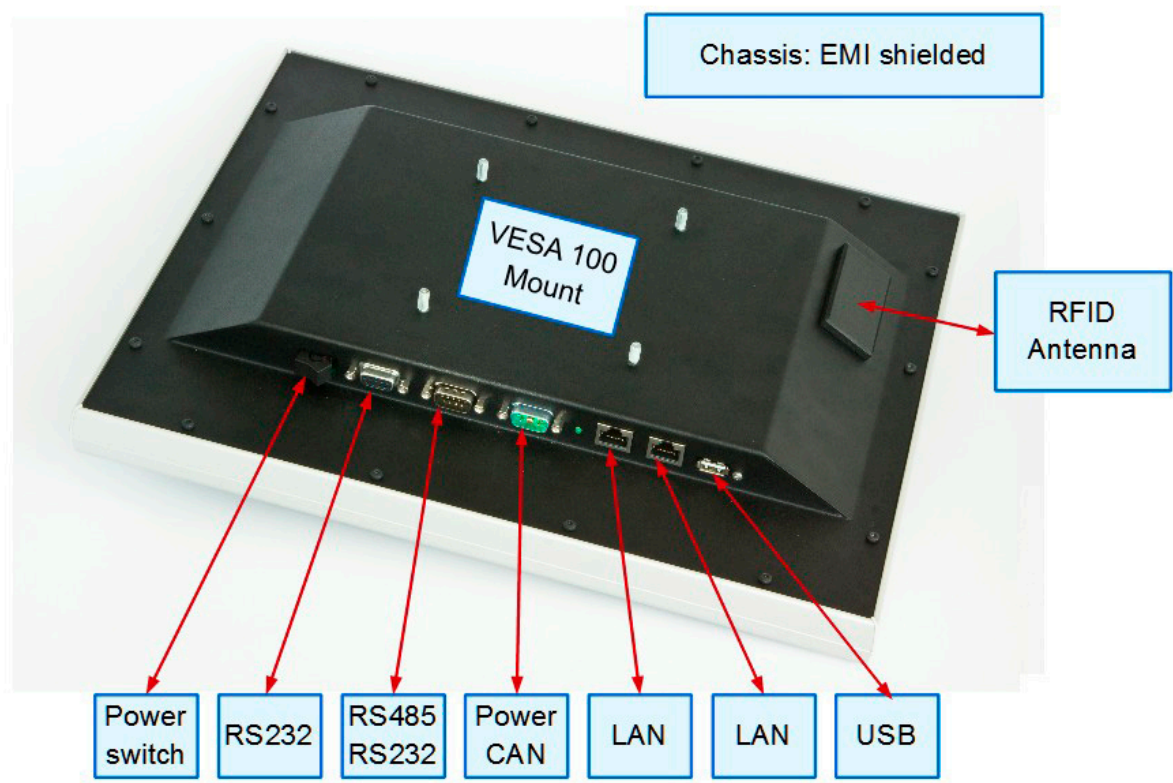
| CPU | |
|----------------------------|--|
| Processor: | NXP® QorIQ® P1022, 1 x e500v2 dual core @600 to 1055 MHz |
| DRAM: | up to 2 GB soldered DDR2 memory |
| Memory | |
| Flash: | up to 512 MB NAND Flash |
| Flash Card: | internal SD Card |
| Graphic | |
| Display: | 15 inch LED backlight display and 4 wire touch |
| High Speed IO | |
| USB 2.0: | 1 x |
| SATA: | optional 2 x SATA and 1 x SPI extension |
| Operating Condition | |
| Typical Power Consumption: | max. 20 W |
| Software / Additional | |
| Software Support: | Linux, VxWorks, Microware OS-9, MicroC/OS-II, QNX, others are available on request |
| Additional: | Fieldbusses: CAN, EtherCAT, Profinet |
| | Embedded Graphics: XiBase9, Qt |
| | Soft-PLC: IEC 61131-3 support |

General Note:

Our standard product versions offer what we consider to be the optimum configuration in terms of performance, price, usage and TDP. The product features lists specify the maximum range of functions per interface. However, not all interfaces or functions are always available in parallel. Flexible SERDES multiplexing is one of the reasons for this. In addition, we provide multiple memory expansion options and are also happy to accommodate specific customer wishes. So do not hesitate to [contact us](#) directly to discuss your desired configuration.



Block Diagrams



hmi1022_I2



Order Info

| Name | Code | Description | Status |
|-----------------|--------|--|--------|
| miriac® HMI1022 | 841801 | 2 QorIQ® e500v2, 0.6 GHz, 1 GB DDR2 w ECC, 4 MB NOR Flash, 512 MB NAND Flash, 0° to 70° C, w/o SEC, 15 inch 4 wire touch display | EOL |



Mühlweg 1
82054 Sauerlach
Germany

Sales: +49 8104 801-130
E-Mail: info@microsys.de
www.microsys.de

