

miriac® HMI1022

Carries NXP® QorIQ® CPUs in combination with miriac® MPX SoMs

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

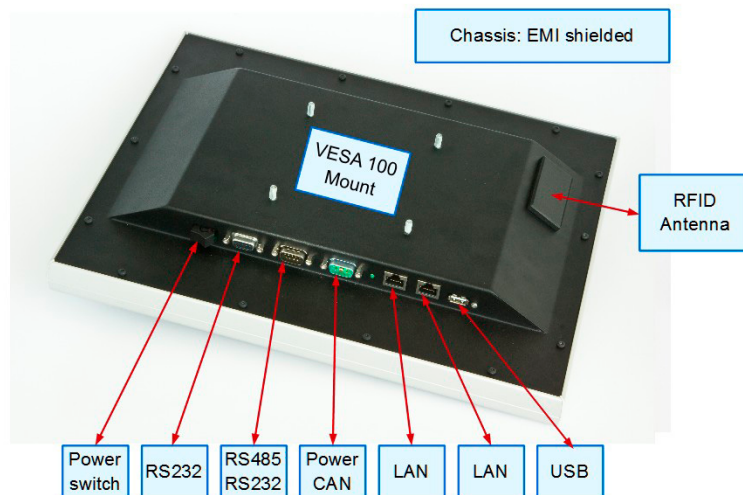


[Home](#) / [Products](#) / [System & Device](#) / [System Examples](#) / **miriac® HMI1022**

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.



Block Diagrams



CPU

Processor NXP® QorlQ® 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

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.

Order Info

| Name | Code | Description | Status |
|--------------------|--------|--|--------|
| miriac® HMI1022 | 841801 | 2 QorlQ® 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 |