

System Examples

miriac® LHM1022

Carries NXP® QorIQ
SoMs



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

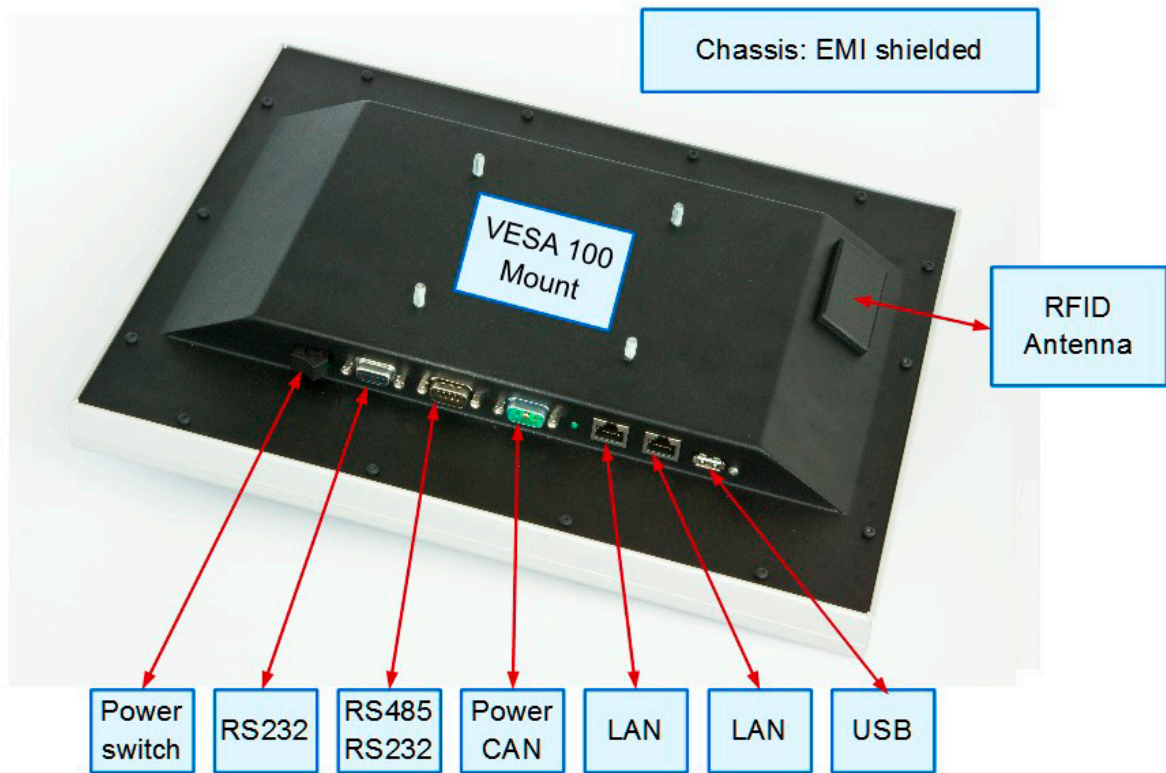
CPU	
Processor:	NXP® QorIQ® P1022, 1 x e500v2 dual core @600 to 1055 MHz
DRAM:	up to 2 GB soldered DDR2 memory
Memory	
Flash:	up to 512 MB NAND Flash
Flash Card:	internal SD Card
Graphic	
Display:	15 inch LED backlight display and 4 wire touch
High Speed IO	
USB 2.0:	1 x
SATA:	optional 2 x SATA and 1 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:	Fieldbuses: 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



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