



## MT-Extreme

CPU i.MX536



Version

## MT-Infinity

CPU i.MX6

Dual/Quad Core



Universal platforms for controllers,  
terminals and display applications

# efficient and flexible



All interfaces on the PCB are assembled with the standard version.



Only the required interfaces can be equipped.



Power supply  
9V-48V DC

Temperature range from  
-40°C up to +85 °C expandable

Operating system: Android  
and Linux.

Adjustments to the operating  
system are possible at any time.



Layout of the interface board  
according to your specification  
is possible at any time.

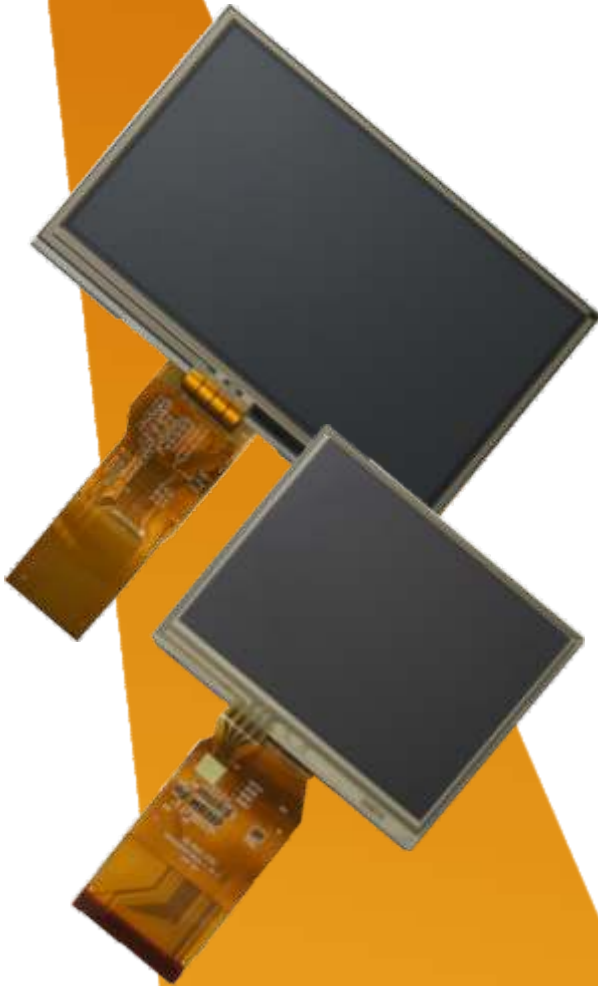


Upright interface sockets are  
available as needed.



We will assist you in developing your hardware and software ,  
from prototypes to mass production.

# up to Full HD



Various displays applicable

TFT-Displays up to Full HD can be driven by a SO-DIMM adapter board.

Available with resistive or capacitive touch panels.

Operation as Blackbox/Headless controller possible.

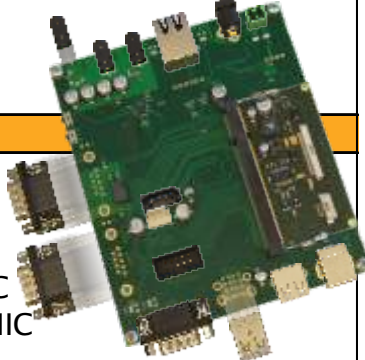
Additional interfaces such as digital and analog I/O's, USB 2.0 Host, SPI and I<sup>2</sup>C can be realized.



Housings in various versions with a frontally protection up to IP65 are available.





MT-Extreme iMX536 Cortex A8 Processor	
Processor board:	
The heart of the MT-Extreme includes processor, main- and flash memory	Freescale i.MX536 <ul style="list-style-type: none"> <li>• 1 GHz Cortex A8</li> <li>• OpenGL® ES 2.0 and OpenVG 1.1</li> </ul> 2 GB DDR3 RAM 4-32 GB eMMC Flash
Base board:	
Interface board, on which all specified physical plugs and sockets are placed	 1x SD Card Slot 1x Micro SD Card 100 Mbit Ethernet MAC Audio: Line IN, OUT, MIC 1x SATA I 1.5 Gbps 3x USB 2.0 Host socket 1x USB 2.0 Device socket 1x CAN socket 3x AD input 0-2,5V 1 x UART 1 x Extended voltage range 6 - 48 V DC Operation temperature: -20°C ... +70°C
SODIMM Adaptor:	
Adaptor boards, with which additional interfaces can be realized	1 x LVDS Dual + Single Link 1 x RGB Interface 1 x VGA Interface 1 x DVI Interface 1 x SPDIF Audio 1 x 8 bit Camera interface 1 x I <sup>2</sup> C 1 x UART 1x capacitive or resistive Touch 1 x USB 2.0 Host
Available on request:	
	Extended temperature range: -40°C / +85°C

Subject to technical modifications!




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## MT-Infinity iMX6 Dual/Quad Core Processor

Processor board:	
<p>The heart of the MT-Infinity. It includes processor, main- and flash memory</p>	<p>Freescale i.MX6 Dual/Quad Core</p> <ul style="list-style-type: none"> <li>• 1 GHz Cortex A9</li> <li>• OpenGL® ES 2.0 and OpenVG 1.1</li> </ul> <p>2 GB DDR3 RAM            4-32 GB eMMC Flash            Micro SD card reader            Ethernet 1Gbit            Real time clock (RTC)            Passive cooling            MXM-III connector            Power consumption 5V DC</p> 
Base board:	
<p>Interface board on which all specified physical plugs and sockets are placed</p>	<p>1x USB 2.0 OTG (Micro-USB-B socket)            1x LAN 10/100/1000 Mbit (RJ45 socket)            1x Video OUT - Full HD (DVI socket)            2x 2.0 Host (Double socket Type A)            1x USB 2.0 Host (Socket Typ A)            1x Audio Line-IN/-OUT/Mic (3x Jack 3,5mm)            1x Audio SP/DIF Out (Cinch socket)            1x RS232/RS485/CAN (Sub-D 9 pol Male);                alternativ galvanically isolated            1x I²C (IDC connector)            1x SPI (IDC connector)            1x SATA 2.0            1x Debug interface (Pin header with TTL level)            1x Mini PCIe Slot            2x Signal-LED            2x Taster (Power ON/Reset)            1x MXM Connector (Processor board)            1x SO-DIMM Adaptor for Full HD TFT/                capacitive and resistive touch            1x UMTS slot / Sim card slot            1x WLAN slot            1x Button cell (RTC Buffering)            1x Wide range voltage input 6 - 48 V DC            Temperature range: -20°C / +70°C</p>

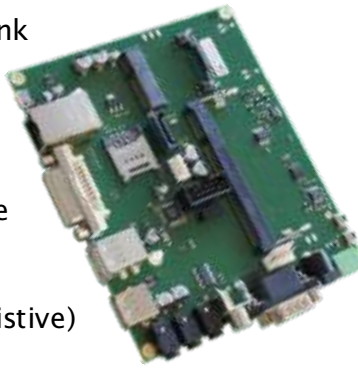
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MT-Infinity iMX6 Dual/Quad Core Processor	
SO-DIMM Adaptor:	
Adaptor boards with which additional interfaces can be realized	<ul style="list-style-type: none"> <li>1 x LVDS Dual + Single Link</li> <li>1 x RGB Interface</li> <li>1 x VGA Interface</li> <li>1 x DVI Interface</li> <li>1 x SPDIF Audio</li> <li>1 x 8 bit Camera interface</li> <li>1 x I<sup>2</sup>C</li> <li>1 x UART</li> <li>1 x Touch (capacitive, resistive)</li> <li>1 x USB 2.0 Host</li> </ul> 
Interfaces of MXM:	
With marginal development cost of a customer specified base board additionally feasible	<ul style="list-style-type: none"> <li>1x MIPI Display</li> <li>1x SD-Card slot additional</li> <li>1x Audio interface additional</li> <li>1x Data-Address bus 16/8 Bit</li> <li>1x Various Input-Output Pins</li> <li>1x CAN additional</li> <li>1x SPI additional</li> </ul>
Available on request:	
Extended temperature range: -40°C / +85°C	

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