



**COMPACT POWERHOUSE  
i.MX6 ARM CPU  
IN 4.3" FORM FACTOR**

## MULTITALENT FOR GRAPHICS AND COMMUNICATIONS APPLICATIONS

Based on the i.MX6 (ARM Cortex A9 architecture) microprocessor family by Freescale, we offer you a customizable CPU platform featuring excellent scalability and long-term availability (minimum 10 years). A wide range of industrial-use communications interfaces is on board, as are an integrated graphics core for 2D and 3D imaging as well as an LCD and touch interface. High performance yet compact design (the CPU fits behind a 4.3" display) enable cost-efficient solutions with small footprints.

Combine your ideas and our know-how to develop innovative, competitive products.  
Talk to us, we would be happy to advise you!

### FEATURES

- Highly scalable computing power
- Resistive and capacitive touch screens
- Wide range of communication interfaces
- Scalable memory expansion
- Wide range of communication interfaces
- Customizable functions via expansion plugs

### CUSTOMER BENEFITS

- Pin and software-compatible single, dual and quad core versions available
- Integrated 3D engine for sophisticated graphics applications
- Highly integrated processor family with wide interface spectrum for short design and market introduction cycles
- Full Linux toolchain available free of charge

### APPLICATIONS

- Man-to-machine interface
- Industrial communication
- M2M (machine to machine)
- House automation
- POS displays
- Infotainment / entertainment
- Portable systems



# TECHNICAL DATA

Function	Standard Layout	Optional
<b>PROCESSOR</b>		
CPU	i.MX6 Solo 800 MHz	Dual
CPU operating mode	32 bit	
<b>MEMORY</b>		
NOR-FLASH	1 MB	4 MB
NAND-FLASH	256 MB	512 MB
eMMC		4..64 GB
DDR3	256 MB	2 GB
SD card	1x micro SD	
<b>COMMUNICATION</b>		
Ethernet	1x 100Mbit	2x 100 Mbit
USB 2.0 Host	1	2
RS485	1	
RS232	1	
CAN (optional instead of RS485)		1
<b>OTHER</b>		
Display	RGB 24 bit (family), LVDS (family), HDMI	
Transducer	1x Piezo	
Audio	1x 1 W Mono	
DIO	4x DOUT 24V / 800mA	
Buffered RTC	CR1220 (3V / 35 mAh)	
Expansion plugs	PCIe, i2C, HSIC, UART, SPI, SDHC, GPIO	



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