exceet
ELECTRONICS

**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
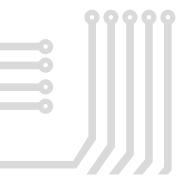- Customizable functions via expansion plugs

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	OPTIONS
MICROPROCESSOR		
CPU	i.MX6 Solo (Cortex A9, 800 MHz)	i.MX6 Dual (Cortex A9, 1 GHz)
MEMORY		
DDR3-RAM	256 MB	2 GB
NOR-FLASH	1 MB	4 MB
NAND-FLASH	256 MB	512 MB
eMMC		4..64 GB
SD card	1x micro SD	
COMMUNICATION		
Ethernet	1x 100Mbit	2x 100 Mbit
USB Host	1x USB 2.0	1x USB 2.0
Serial	1x RS232, 1x RS485	
CAN		1x CAN 2.0 (instead of RS485)
DIO	4x DOUT 24V / 800mA	
DISPLAY / TOUCH		
LCD-Interface	RGB 24 bit, LVDS, HDMI	
Touch	1x capacitive	
OTHER		
Power supply	9..32V DC	
Transducer	1x Piezo	
Form factor	105,5 x 67 mm (4,3")	
Buffered RTC	CR1220 (3V / 35 mAh)	
Expansion plugs	PCIe, i2C, HSIC, UART, SPI, SDHC, GPIO	
Audio	1x 1 W Mono	