

## Technische Daten CB51

| Technische Daten |   |
|------------------|---|
| Prozessor        | Freescale MPC5121e/MPC5123 mit AXE Echtzeitkern,<br>POWER e300c Befehlssatz,<br>760 MIPS bei 400MHz,<br>200 MHz RISC Echtzeitkern,<br>32 kB Daten-Cache,<br>32 kB Befehls-Cache,<br>Memory Management Unit (MMU),<br>Double Precision Floating Point Unit (FPU) |
| Speicher         | 128/256 MB RAM,<br>32 MB Flash,<br>SD/MMC Card Slot   |
| Details          | RoHS konform,<br>Betrieb ohne separate Kühlung<br>(Leistungsaufnahme CPU max. 2W)   |
| Optional         | PowerVR Lite 2D/3D Grafikbeschleuniger,<br>(OpenGL ES) mit XGA/WXGA Auflösung bzw.<br>720p (1024x768/1280x720)  |

| Anschlüsse    |   |
|---------------|---|
| Fix           | RS232 (Stiftleiste),<br>JTAG (Stiftleiste),<br>Ethernet 10/100 MBit/s         |
| Optional      | SATA,<br>PATA,<br>VGA,<br>DVI,<br>LVDS,<br>USB (host)                         |
| Durchgeleitet | 3x I2C™,<br>2x CAN,<br>12x Serielle Schnittstellen (UART, SPI, I2S),<br>GPIOs |

| Betriebssystem und Softwareausstattung |   |
|--|---|
| Betriebssystem                         | "U-Boot" Bootloader und Monitor,<br>Journalling Flash File System (JFFS),<br>Embedded Linux 2.6 |
| Software                               | Java 1.6,<br>b.iF (b.it Framework)  |

## Technical Data CB51

| Technical Data |  |
|----------------|--|
| Processor      | Freescale MPC5121e/MPC5123 with AXE real-time core,<br>POWER e300c instruction set,<br>760 MIPS at 400MHz,<br>200 MHz RISC real-time core,<br>32 kB data-cache,<br>32 kB instruction-cache,<br>Memory Management Unit (MMU),<br>Double Precision Floating Point Unit (FPU) |
| Memory         | 128/256 MB RAM,<br>32 MB Flash,<br>SD/MMC Card Slot  |
| Details        | RoHS conform,<br>operation without separate cooling (power consumption CPU max. 2W)  |
| Optional       | PowerVR Lite 2D/3D graphics accelerator,<br>XGA/WXGA resolution / 720p<br>(1024x768/1280x720)  |

| I/Os         |   |
|--------------|---|
| Standard     | RS232 (Pins),<br>JTAG (Pins),<br>Ethernet 10/100 MBit/s                 |
| Optional     | SATA,<br>PATA,<br>VGA,<br>DVI,<br>LVDS,<br>USB (host)                   |
| Pass-through | 3x I2C™,<br>2x CAN,<br>12x serial interfaces (UART, SPI, I2S),<br>GPIOs |

| Operating system and software |   |
|-------------------------------|---|
| Operating system              | "U-Boot" bootloader and monitor,<br>Journalling Flash File System (JFFS),<br>embedded Linux 2.6 |
| Software                      | Java 1.6,<br>b.iF (b.it Framework)  |