

Home-Automation

Linksammlung

Herbert Sommerer

<http://www.homeautomator.com/HAUK.htm>
<http://www.protowrxs.com/ha/>
<http://www.intellihome.be/english/index.html>
<http://www.comfort.org.uk/products/a10.html>
<http://www.hometoys.com/htlinks.htm>
http://www.geocities.com/ido_bartana/
http://www.geocities.com/ido_bartana/x10theor.htm
<http://www.crestron.com/index2.html>
<http://www.archinet.co.uk/andromeda/eibtech.html>
<http://www.isa.org/mcweb/ngeneral/0,1931,0,00.html>
<http://www.sensorsmag.com/articles/0601/28/index.htm>
http://www.marmitek.com/dld_site/base_nl/producten_nl.html
<http://www.puffinplc.org/>
<http://www.uclinux.org/>
<http://linuxha.sourceforge.net/>
<http://jhome.sourceforge.net/>
<http://www.automationfaq.com/fom-serve/cache/287.html>
<http://www.geocities.com/SiliconValley/Hills/6490/advise.html>
<http://www.geocities.com/SiliconValley/Hills/6490/attersjo/index.html>
http://plugtek.com/links/NP_products.shtml
<http://www.bridgetech.com.mx/ListaPreciosParallax.htm>
<http://www.smarthomeusa.com/>
<http://www.smarthome.com/>
<http://shop.store.yahoo.com/asihome/ibmhomdirexk.html>
<http://www.astrosonic.com/automation/homeautomation.html>
<http://www.devdepot.com/homeautomation.html>
http://www.generation5.org/la_hakit2.shtml
<http://www.intellihome.be/english/index.html>
<http://megaautomation.virtualave.net/>
<http://www.atg.com.hk/en/default.asp>
<http://www.gadqethome.com/>

Mikrocontroller-Skriptum

für die Infineon 16 Bit Mikrocontroller (C167CR)

Martin Horauer

http://mc.ict.tuwien.ac.at/mca_script/node17.html#SECTION00050000000000000000

Inhalt: Die Central Processing Unit (CPU) des C167 • Die Speicherorganisation des C167 • Das Interrupt System des C167 • Beispiele zum Interrupthandling • Die Ports des C167 • Beispiel zu den Ports des C167 • Der Resetvorgang des C167 • Der External Bus Controller • Timing Parameter des C167 • Beispiele zur Timinganalyse • Timer • General Purpose Timer Unit 1 • Beispiel - Lauflicht mit dem Timer Block GPT1 • General Purpose Timer Unit 2 • Beispiele zu GPT2 • Capture Compare Unit (CAPCOM) • Capture Mode • Compare Mode 0 • Compare Mode 1 • Compare Mode 2 • Compare Mode 3 • Double Register Compare Mode • Beispiele zur Capture/Compare Einheit • Pulse Width Modulation (PWM) Unit • Standard PWM - Edge Aligned (Mode 0) • Symmetrische PWM (Mode 1) • Burst Mode • Single Shot Mode • Beispiel zum PWM Modul • Analog Digital Converter (ADC) • Fixed Channel Conversion Modes • Auto Scan Conversion Modes • Wait for Read Control • Channel Injection Mode • Beispiele zum ADC • Serielle Schnittstellen • Asynchrones / Synchrones Interface ASC0 • High Speed Synchronous Serial Interface SSC • Beispiel zur seriellen Schnittstelle • Das Controller Area Network (CAN) • Initialisierung des CAN Moduls • Initialisierung der Message Objects • Senden und Empfangen einer CAN Nachricht • Beispiel zum CAN Interface

Design:) Link

<http://www.infineon.com/designlink>

Infineon

Sensors

KP 120 - Miniaturized absolute pressure sensor IC
<http://www.infineon.com/designlink/23001>
KT Series - Silicon based temperature sensors
<http://www.infineon.com/designlink/23002>

Power

Benchmark energy efficiency with TrenchStop IGBTs
<http://www.infineon.com/designlink/23003>

Microcontrollers

New member of 8-bit microcontroller family
<http://www.infineon.com/designlink/23004>

Communication

DUSLIC integrates POTS into voice and data applications <http://www.infineon.com/designlink/23005>
Embedded DSP optimizes telecom applications
<http://www.infineon.com/designlink/23006>
Complete solutions for voice-over-internet protocol
<http://www.infineon.com/designlink/23007>

Fiber Optics

Datacom tranceiver family
<http://www.infineon.com/designlink/23008>
BIDI TRX - small form factor single-fiber tranceiver
<http://www.infineon.com/designlink/23009>

Micro-Willi

Wilhelm Riedl

Beschreibung: PCNEWS-74
Download: <http://tqm.ac/MicroWilli/>
Bestellungen: <http://pcc.ac/MicroWilli/>
CD-Bestellung: <http://pcnews.at/thi/bez/cd/-cd.htm>

Inhalt

Beispiele

AppNotesSiemens (Emulating an asynchronous serial interface via software, Interfacing SLx 24Cxx I2C-Bus, LCD Control Using the C505L), Atmel89Cxx, Auto-baud, Bcd_Byte, Char_Lcd, Crc16, Crc8, DcfUhr, Dec_Dptr, I2C Routines, Interrupts, Math51, Paul Stoffregen (HEXSUM, PRINTF, TDP, CRC, FFT, I2C, I51, SEEPROM, SINUS)

MicroWilli: Adc8Int, EmpfangByte, EmpfangByteInt, Inbetriebnahme, IsrT0, IsrT2, LcdPort, LedBus, Led-Port, SeriellAdc8, TastPort

Literatur

C, C++ Programmierung; **Mcs51:** 80C517 Einführung, TemperaturMessung, Elektronisches Thermometer, KTY 10 Pegelanpassung

Manuale

Datenblätter: Bauteile auf Platine, SAB 80C537, 80C517, C517A; **MicroWilli:** Schaltplan, Bestückung, Skriptum zu MicroWilli; **Software:** HexEditor2000, RS232, µVision6.22