Basic Express BX-24

BX-24 Document Overview

Hardware Reference

Getting started
BasicX quick tour
BX-24 computer
BX-24 technical specifications
BX-24 development board
BasicX FAQ

Compiler Users's Guide

Downloader
Editor and compiler
Project dialog box
Chip dialog box
File types

Language Reference

General
Subprograms
Control structures
Variables, constants and data types
Expressions
Unsigned types
Strict vs. permissive syntax rules
Option statement
Attribute statement
Restricted keywords
Basic Express language FAQ
Portability issues

Operating System Reference

Persistent variables in BasicX
Block data classes
BasicX networking
Multitasking in BasicX
Sharing data with semaphores
Using queues to share data
Potential system resource conflicts
Special purpose registers

System Library

Math functions
String functions
Memory-related functions
Queues
Tasking
Type conversions
Real time clock
Pin I/O
Communications

Application Notes

Measuring resistance using ADC
ADXL202 accelerometer
Block data classes
Reading buttons and switches
Counting pulses with hardware interrupts
Six day 8 channel data logger
Dual PWM in background
Edge capture using Timer1
Infrared communications
Infrared com using serial port
Reading 4 x 4 matrix keypad
Power down using CPUSleep
Measuring resistance using RCTime
Servo control
Ultrasonic rangefinder
Programming Timer1 as stopwatch