JetControl 24x

Version Update

from V3.00 to V3.01

Contents

1 Introduction

Overview of Version Update			
Version	**Function**	**expanded**	**corrected**
V2.01	system bus	✓	✓
	interpreter	✓	
	user program		✓
	email		✓
V2.03	hardware		✓
V3.00	file system	✓	
	interpreter	✓	
	register interface	✓	
	pcom5/JetIP server	✓	
	email	✓	✓
	debug interface	✓	
	real-time clock		✓
	hardware	✓	✓
V3.01	user program	✓	
	pcom7/JetIP server		✓
	interpreter		✓
	hardware	✓	

2 Expansions

2.1 User program

The length of the user program and its build time and date can be read in some registers. The contents of theses registers are only valid, if a user program has been started. For that, the toggle switch must be set to 'RUN' at power up, or the program has to be started by JetSym.

Register 2035: User program length	
Function	**Description**
Read	user program length in byte
Write	not possible
Value range	0 .. 65536 [bytes]
Value after Reset	0

Register 2970: Minutes	
Function	**Description**
Read	user program build time: minutes
Write	not possible
Value range	0 .. 59
Value after Reset	0

Register 2971: Hours	
Function	**Description**
Read	user program build time: hours
Write	not possible
Value range	0 .. 23
Value after Reset	0

Register 2972: Day	
Function	**Description**
Read	user program build date: day
Write	not possible
Value range	1 .. 31
Value after Reset	0

Register 2973: Month	
Function	**Description**
Read	user program build date: month
Write	not possible
Value range	1 .. 12
Value after Reset	0

Register 2974: Year	
Function	**Description**
Read	user program build date: year
Write	not possible
Value range	0 .. 65535
Value after Reset	0

2.2 Hardware

This version supports the latest processor generation NET+ARM 50-3.

3 Eliminated Software Bugs

3.1 pcom7/JetIP server

The conversion of the legacy commands for transferring registers and register blocks (‚Q',
‚R', ‚h', ‚i') according to interface specification 'pcom5' was not made correctly.
From V3.01 on, these commands are executed as specified.

3.2 Interpreter

Logical connection of register bits (WAND, WOR, WXOR) makes only sense with integer
registers. The faulty usage of these commands with floating point registers was not
handled correctly. From this version on, the error is indicated by special flag 2074 and
special registers 2009 and 2010. The action, which will be taken when an error occurs,
can be set by special flag 2072 and 2073.