

:

- *LabVIEW*
- *LabWindows/CVI*
- *NI Measurement Studio*

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(Windows)

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(Windows)

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, (*) (?) . .
 , "prog*" "program", "programmatically", "progress"

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. , "?ext" "next", "text"

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, " AND (OR VI) " " " VI" .

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- AND()— .
- OR— .
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"program" "programs", "programming" .
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(Windows)

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PDF . PDF , Adobe Acrobat Viewer

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• RT _____.



Windows Vista _____

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LabVIEW

>>National Instruments>>
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- CPU/

- I/O

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URL, , , , .

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- — **NI** .
- — NI ACL .
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 Windows Vista

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 Windows Vista

- — IP _____ .
- I/O

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Measurement Studio

LabVIEW , NI

, LabWindows/CVI .

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NI

LabVIEW Real-Time .



I/O . . . ,

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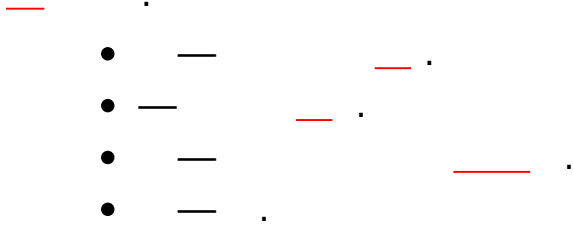
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- I/O — I/O I/O
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I/O

I/O PLC(programmable logic controller), / ,
, DAQ . I/O

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I/O .

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- I/O — I/O .
- I/O — I/O .

(SVE) NI Publish-Subscribe Protocol (NI-PSP)

. SVE





Windows Vista

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, LabVIEW, LabWindows/CVI, Measurement
Studio .



Windows Vista



NI

LabVIEW

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View



Auto

5. >> .smw .

6. >> .smw .

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- 1. .
- 2. >> .smw .
- 3. , >> .smw .

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\\system\process\variable. , \\system1\myprocess\myvariable
system1 myprocess myvariable .



LabVIEW , NI Measurement Studio , LabWindows/CVI .

Windows Vista

Windows Vista (SVE) . Windows
. Vista .


Windows .

1. .
2. .
3. . , .
4. **National Instruments** ,

I/O (NI Scan Engine)

I/O I/O . I/O ,

I/O , . ,
LabVIEW . , .

 I/O I/O ,
I/O .

I/O

NI Scan Engine I/O .

1. .

2. RT .
LED .

3. . I/O . I/O



, I/O .

I/O

I/O .

1. I/O I/O , I/O

I/O .

2. I/O , I/O .

3. I/O .

4. I/O .



I/O .

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I/O

I/O .

1. .

2. I/O .

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(NI Scan Engine)

— NI Scan Engine — .

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Scan Engine Enabled LED

, LED .

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RT (Real-Time Module)

RT CPU/ RT CPU .

RT CPU .

1. RT .

2. **CPU/** CPU .

CPU CPU CPU .

CPU . CPU ,

, ISR(interrupt service routines) Timed CPU

. MB .

(NI Scan Engine)

NI Scan Engine

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LED .

LED



NI

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National Instruments

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NATIONAL INSTRUMENTS

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INSTRUMENTS .

JavaScript

HTML JavaScript .

[\(Windows\)](#) CD Internet Explorer 4.0 ,
JavaScript . Internet Explorer 4.0
, JavaScript .

NI ACL

: NI Distributed System Manager (Windows)

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LabVIEW Data SysMan ACL.acl .

: NI Distributed System Manager (Windows)

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Module) I/O .

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- —LabVIEW .aliases . LabVIEW LabVIEW .
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CPU/

: NI Scan Engine

RT

. RT

CPU/ .

CPU

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- **CPU N (%)** — CPU N % .
- **(MB)** — .
- **CPU N** — CPU , CPU , Timed
ISR(interrupt service routines) CPU CPU
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 - — (MB).
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 - — OS (MB).
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I/O

: NI Scan Engine

I/O . I/O

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I/O . :

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- LabVIEW .

: NI Distributed System Manager (Windows)

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: NI Scan Engine

NI

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- I/O I/O
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 - I/O , LabVIEW
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: NI Distributed System Manager (Windows)

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LabVIEW .

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: NI Distributed System Manager (Windows)

URL ' ' ' ' .
HTTP . LabVIEW
LabVIEW .

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: NI Distributed System Manager

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NI

: NI Distributed System Manager (Windows)

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: NI Distributed System Manager (Windows)

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: NI Distributed System Manager (Windows)

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: NI Distributed System Manager (Windows)

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: NI Distributed System Manager (Windows)

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- —(DSC Module)
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- —(DSC Module)
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- Real-Time FIFO—(RT Module) FIFO
- —
- —(DSC Module)
- —(DSC Module)
- —(DSC Module)

LabVIEW , , .
LabVIEW .

I/O

: NI Distributed System Manager (Windows)

I/O .

I/O .

(RT Module) Modbus I/O ModbusSlave I/O .

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- I/O — I/O .
- —IP IP .
- — I/O .

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	43 662 457990-0
	32 (0) 2 757 0020
	55 11 3262 3599
	800 433 3488
	86 21 5050 9800
	420 224 235 774
	45 45 76 26 00
	358 (0) 9 725 72511
	33 (0) 1 57 66 24 24
	49 89 7413130
	91 80 41190000
	972 0 3 6393737
	39 02 41309277
	0120-527196 / 81 3 5472 2970
	82 02 3451 3400
	961 (0) 1 33 28 28
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	01 800 010 0793
	31 (0) 348 433 466
	0800 553 322
	47 (0) 66 90 76 60
	48 22 3390150
	351 210 311 210
	7 495 783 6851
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	34 91 640 0085
	46 (0) 8 587 895 00
	41 56 2005151
	886 02 2377 2222
	662 278 6777
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	44 (0) 1635 523545
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