



Advanced Serial Data Logger

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1	Advanced Serial Data Logger	1
2	2
2	,	3
1	3
2	4
3	5
4	5
3		6
1	6
2	6
4		6
1	6
2	8
3	10
4	11
5	11
5		12
1	.....	12
	(COM)	12
2	.....	17
	.....	17
	.....	19
	.....	21
3	-	22
	-	22
	-	25
	.....	27
4	.....	28
	.....	28
	OPC	32
5	.....	36
	.....	36
	.....	38
	.....	39

Windows 2000

Windows Vista

40

43

44

6

RS-232

0

1 RS-232 0

2 DB9 (9 pin) RS-232 0

3 DB25 (25 pin) RS-232 0

4 RS-232 0

5 RS-232 0

7

?

45

1 45

2 (FAQ) 46

Advanced Serial Data Logger

Advanced Serial Data Logger

Windows NT/2000/XP,

: <http://www.aggsoft.ru/>

: <http://www.aggsoft.ru/serial-data-logger.htm>

: <http://www.aggsoft.ru/rs232-pinout-cable/>

1.2

ASCII -

ASCII -

Windows
ASCII. ASCII *.TXT (,
README.TXT).

Binary File -

ASCII (0 255).

Bytes () -

Bit () -
8

: 0 1. 8

Baud Rate -

(),

BPS

600 , 2400 bps (),

Cable () -

COM port -

4

IBM IBM-
COM1, COM2, COM3 COM4.

Data bits -

(),

Flow control -

" "

()

Handshaking -

Internet () -

TCP/IP

PC () - Personal Computer ().

Ports () -

Protocol () -

RS232, RS423, RS422 RS485 - Electronics Industry Association (EIA)

RS232, RS423, RS422, RS485,

EIA "RS"

(recommended standard).

"EIA".

Stop bits () -

1 2.

(Log file) -

(. log) —

2

2.1

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1. Advanced Serial Data Logger -
- 2.
3. Advanced Serial Data Logger ,
- 4.
5. Advanced Serial Data Logger sales@aggsoft.ru
6. Advanced Serial Data Logger ,
Advanced Serial Data Logger .
7. **Advanced Serial Data Logger** "AS IS".
- 8.
9. Advanced Serial Data Logger ,
10. - ,
Advanced Serial Data Logger ,
Advanced Serial Data Logger.

2.2

shareware-

5

- 21 ;
- ;
- 65535 ;

2.3

shareware-

Internet, [3](#)

2.4

Advanced Serial Data Logger	support@aggsoft.ru
	support@aggsoft.ru
	sales@aggsoft.ru

3

3.1

- Windows 2000 Professional SP 4;
- Windows 2000 Server;
- Windows XP x86 x64;
- Windows 2003 Server x86 x64;
- Windows Vista () x86 x64.
- Windows 7 () x86 x64.
- Windows 2008 Server () x86 x64.
- Windows 8 () x86 x64.

COM-

3.2

Advanced Serial Data Logger.

, Advanced Serial Data Logger
Files\Advanced Serial Data Logger"

"\Programs

Advanced Serial Data Logger

4

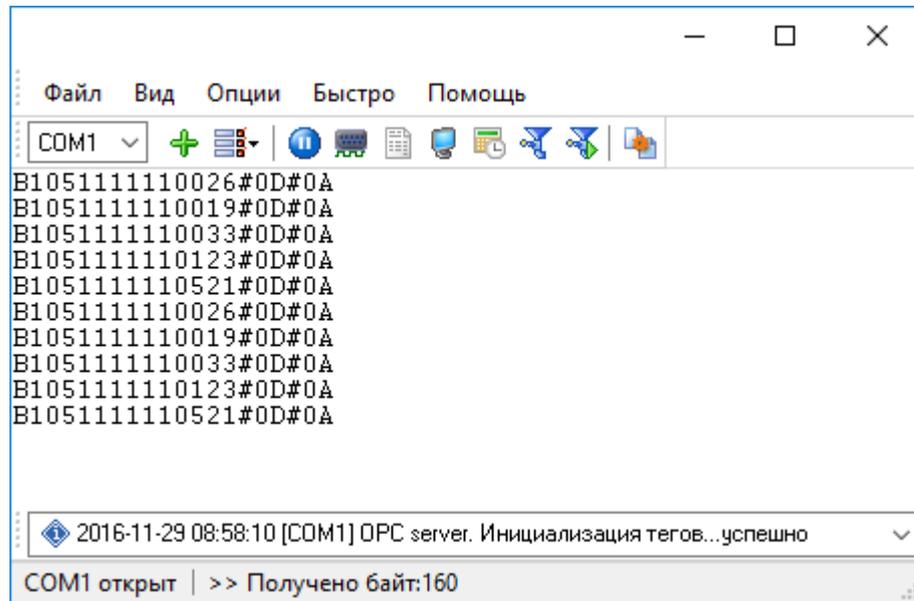
4.1

Advanced Serial Data Logger

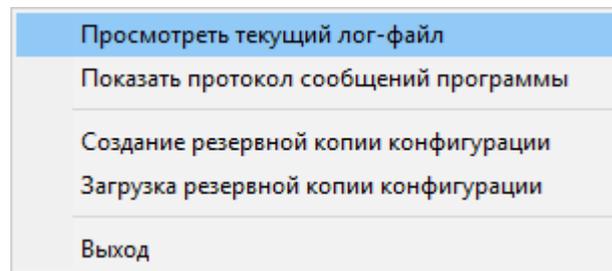
Advanced Serial Data Logger " "

(. 1.1.1),

1.1.2)



. 1.1.1.



. 1.1.2.

C:\.

1-2-3-4**1.**

COM

([1.1.1.1](#) 6).

Advanced Serial Data Logger "[17](#)",

[36](#).

Advanced Serial Data Logger

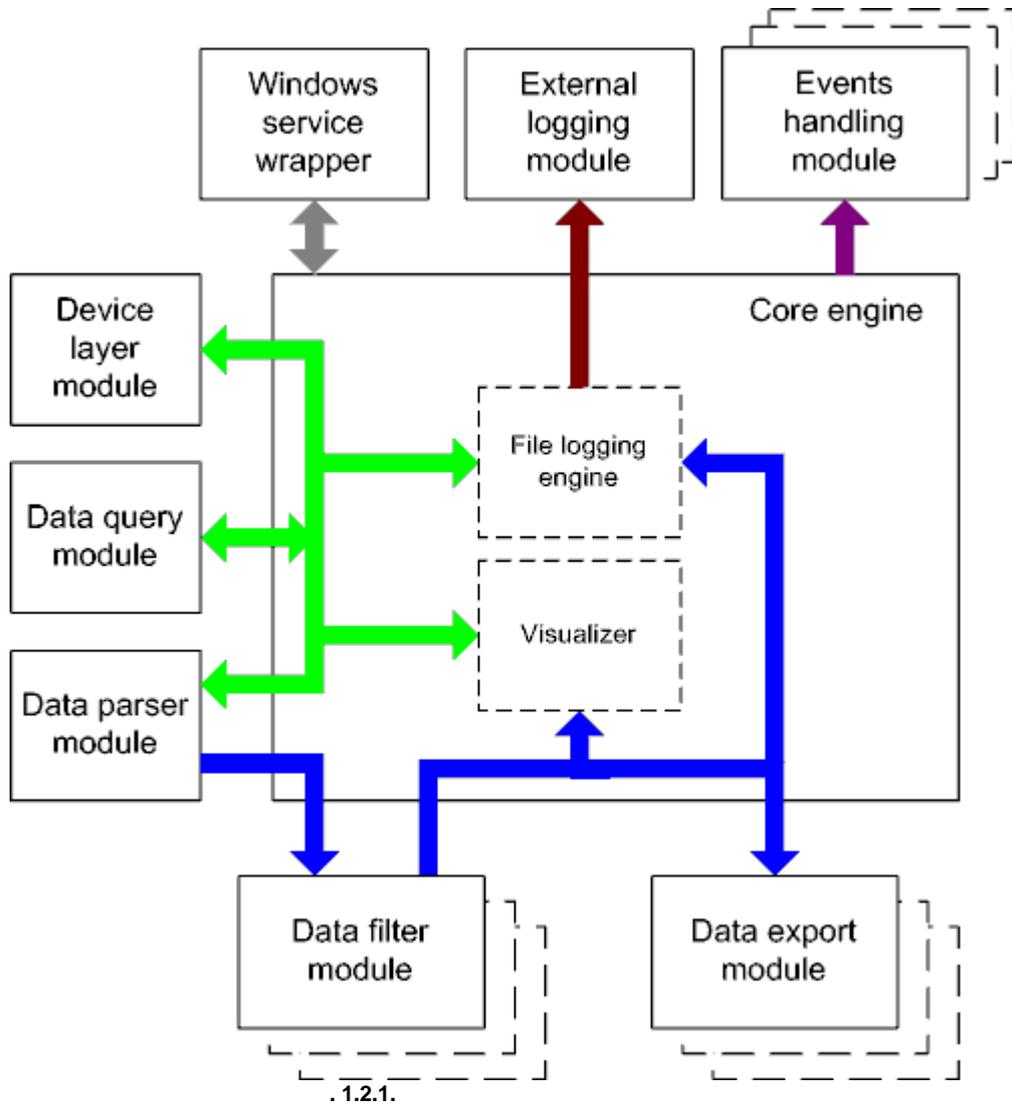
Advanced Serial Data Logger.
[28](#) (plug-ins),

[28](#)".

[39](#) (

([1.1.1.1](#) 6), [_____](#)

4.3



- Core engine -

- Device layer module -
- Data query module -
- Data parser module -
- Data filter module -
- Data export module -
- Visualizer -
- File logging engine -
- Windows service wrapper -
- External logging module -
- Events handling module -

4.4

Windows. / COM-

4.5

1.

2.

1.

2.

regedit.exe

Windows x64

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\AGG Software\Advanced Serial Data
Logger

Windows x32

HKEY_LOCAL_MACHINE\SOFTWARE\AGG Software\Advanced Serial Data Logger

3.

Ctrl+S -

Ctrl+D -

Ctrl+P -

Ctrl+L -

log- ;

Ctrl+R -
Ctrl+E -
Ctrl+M -

Windows;

4.

5.

INI

6.

10

5

5.1

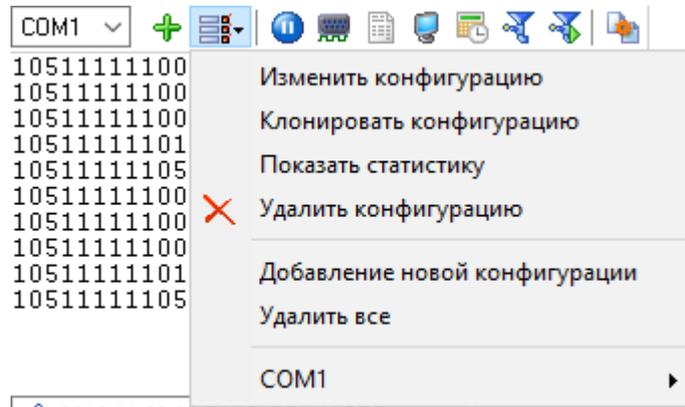
5.1.1

(COM)

(.1.1.1⁶)

(.2.1.2).
COM

(.2.1.1).



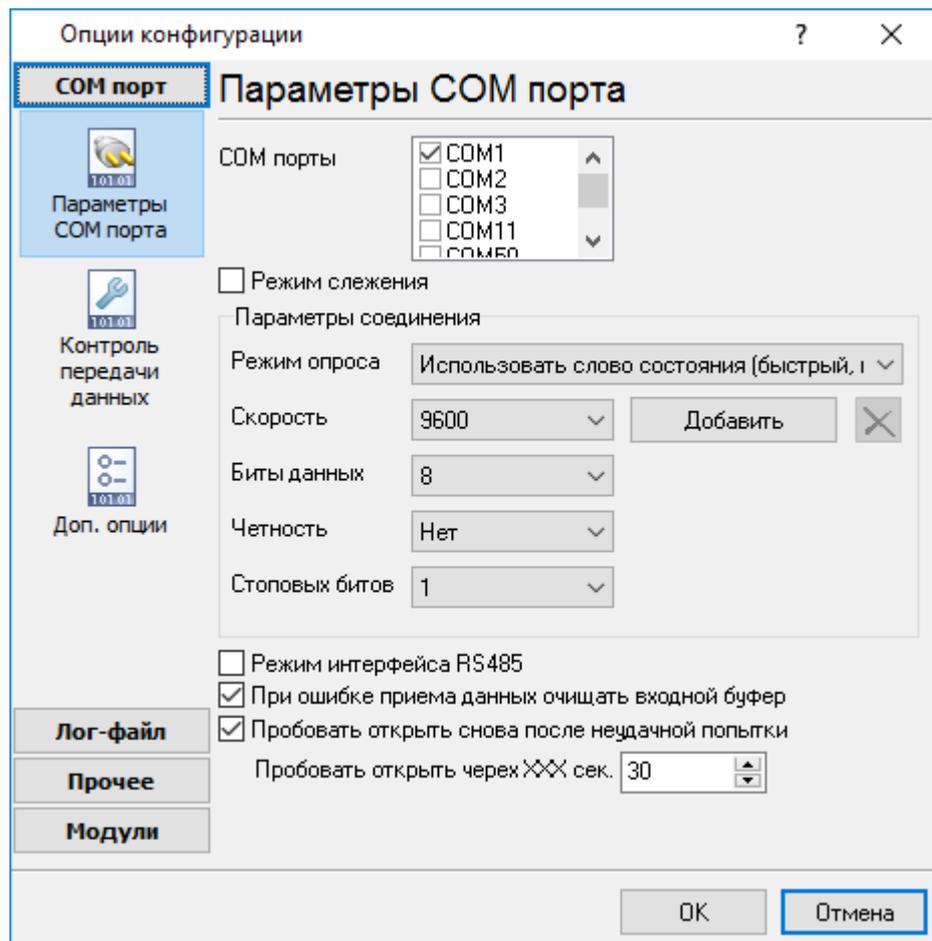
.2.1.1.

COM-

COM-

COM-

(.2.1.1).



. 2.1.2. COM-

RS-485

, RTS-

API- Windows
/ : API-
Windows.

API,

Windows

API

API -

. Advanced Serial

Data Logger

(WRPI.DRV

Advanced Serial Data Logger

(. 2.1.3).

"

"

"

"

DTR"

RTS" / "

(RTS / DTR)
90%

10%

DSR"

Windows

CTS" / "

(CTS / DSR).

RTS CTS
DTR DSR.

"

"

"

"

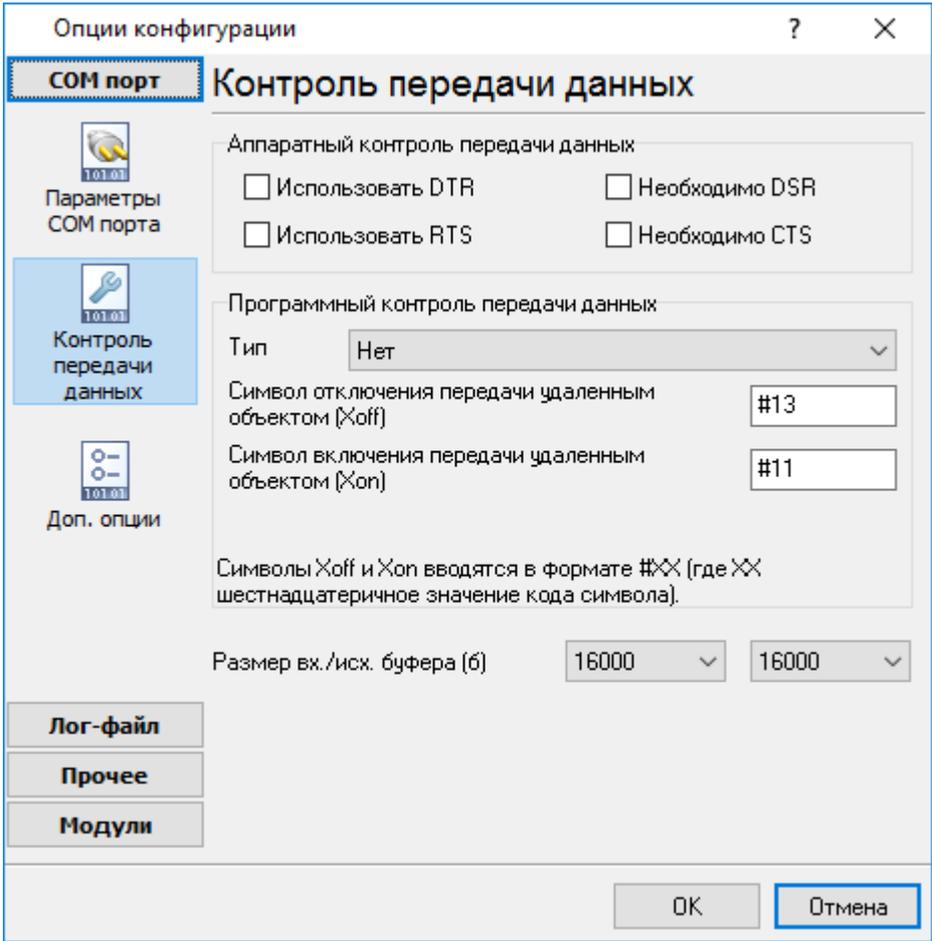
10 % Xoff " " " " " "

10% Xon.

10% 90% Xon Xoff.

COM- 0x11

0x13 -



. 2.1.3

./ . COM

Advanced Serial Data Logger

COM- COM-

Advanced Serial Data Logger,
COM-

Advanced Serial Data Logger.

UART (UART receiver parity error) -

;

UART (UART receiver overrun),
UART (UART receiver framing error) -

;

CTS (transmit timeout waiting for CTS),
DSR (transmit timeout waiting for DSR),
RLSD (transmit timeout waiting for RLSD) -

,

;

(transmit queue is full) -

,

Advanced Serial Data Logger

;

break (break condition received)

Windows NT

" ->

" [_____](#) 

5.2

5.2.1

3.1.1):

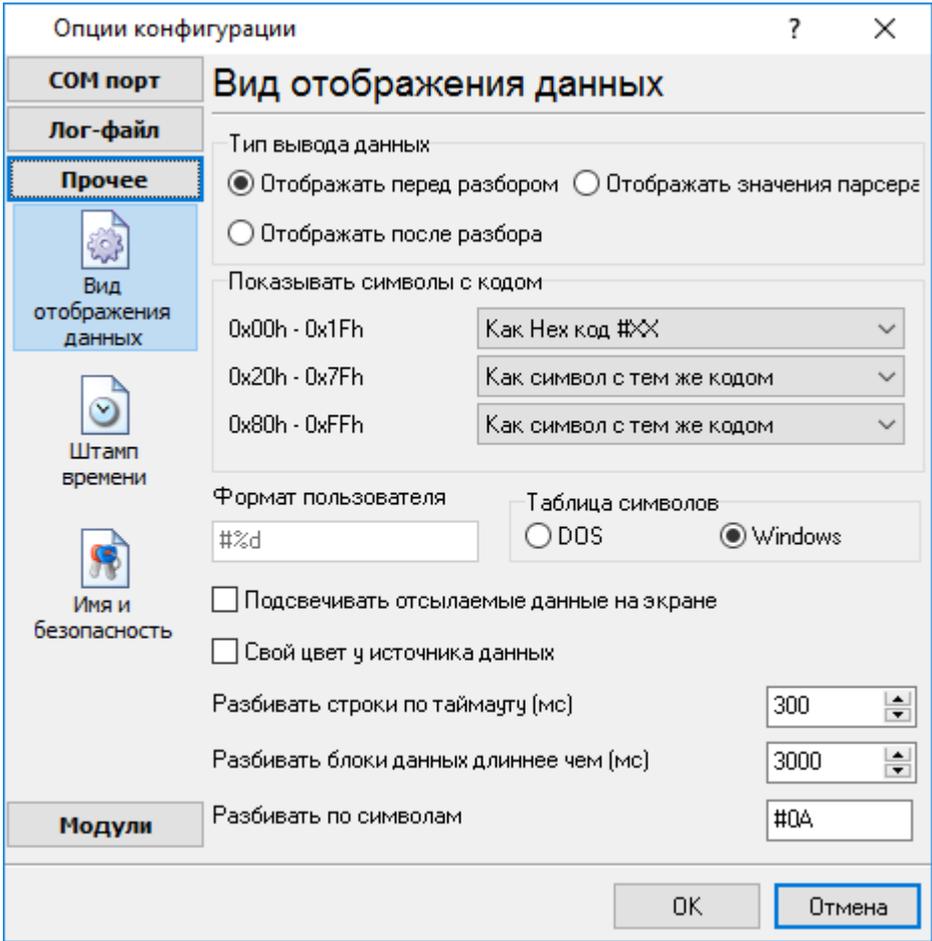
1.

2.

([1.1.1](#) 

2

(



. 3.1.1.

" (. 3.1.1)

Hex-

%d , %x -

: Windows DOS

(OEM).

0,

0,

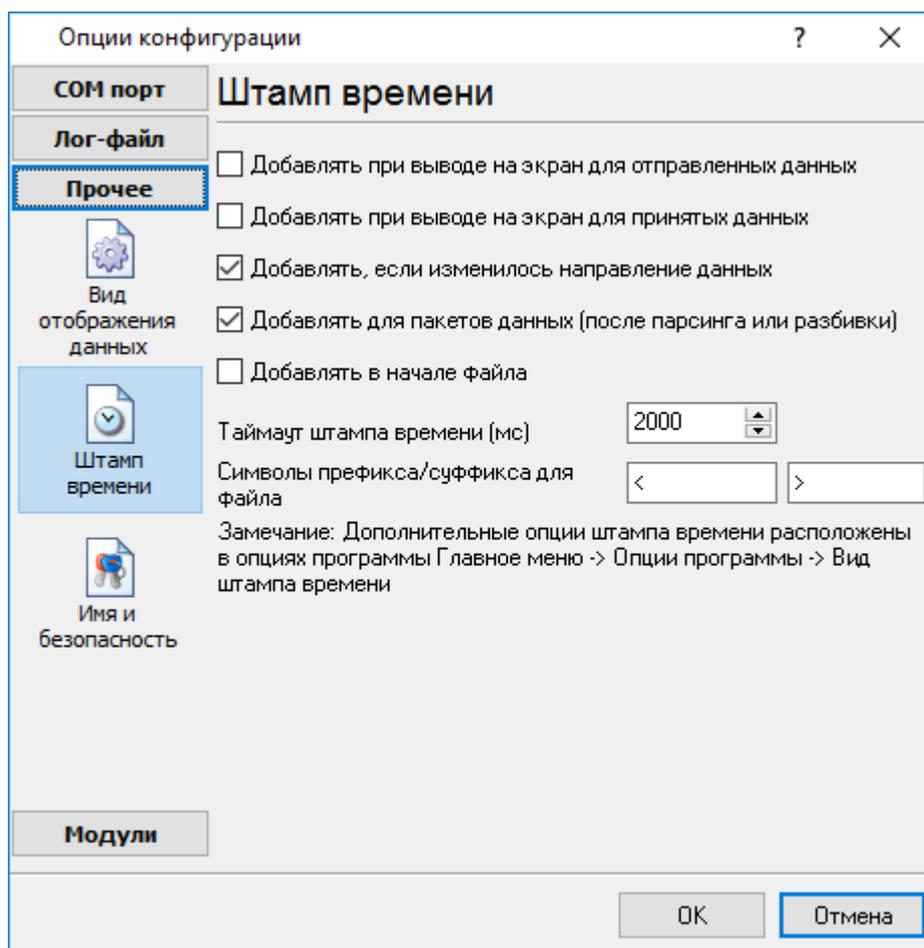
. 3.1.1

5.2.2

(. 3.2.1)

()

 38.



. 3.2.1.

. :>#0D#0A

5.2.3

(. 3.3.1) :

-

"

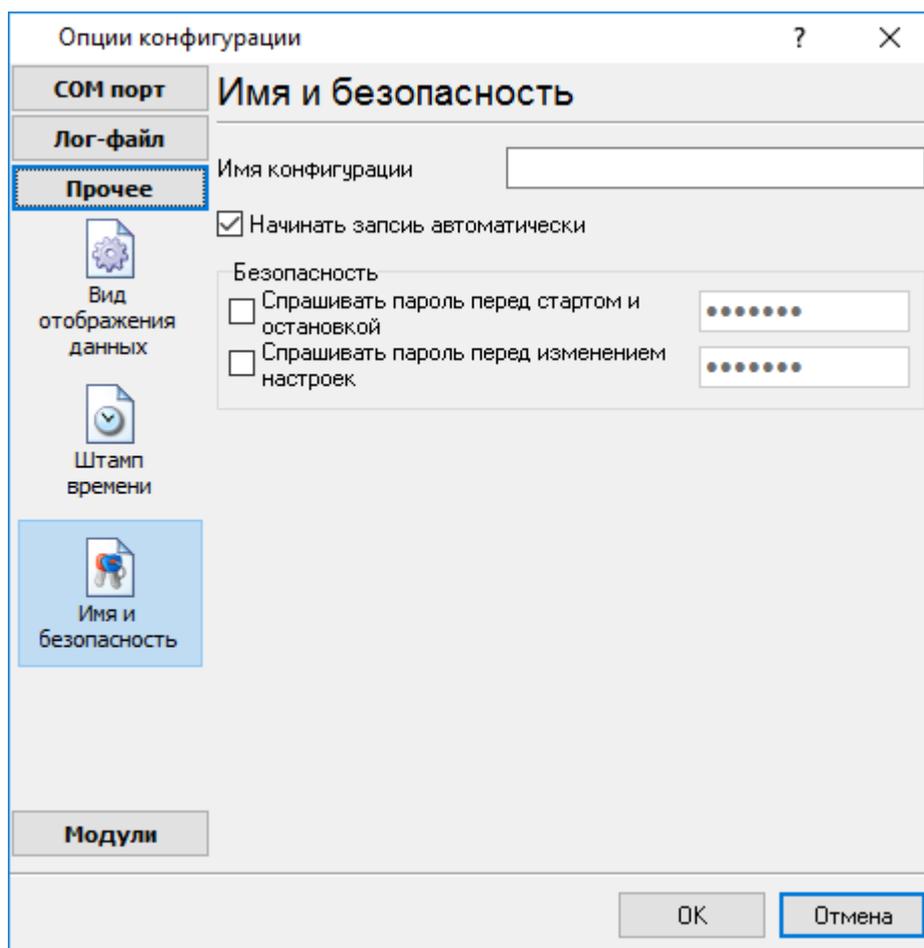
"

44

"

/

"



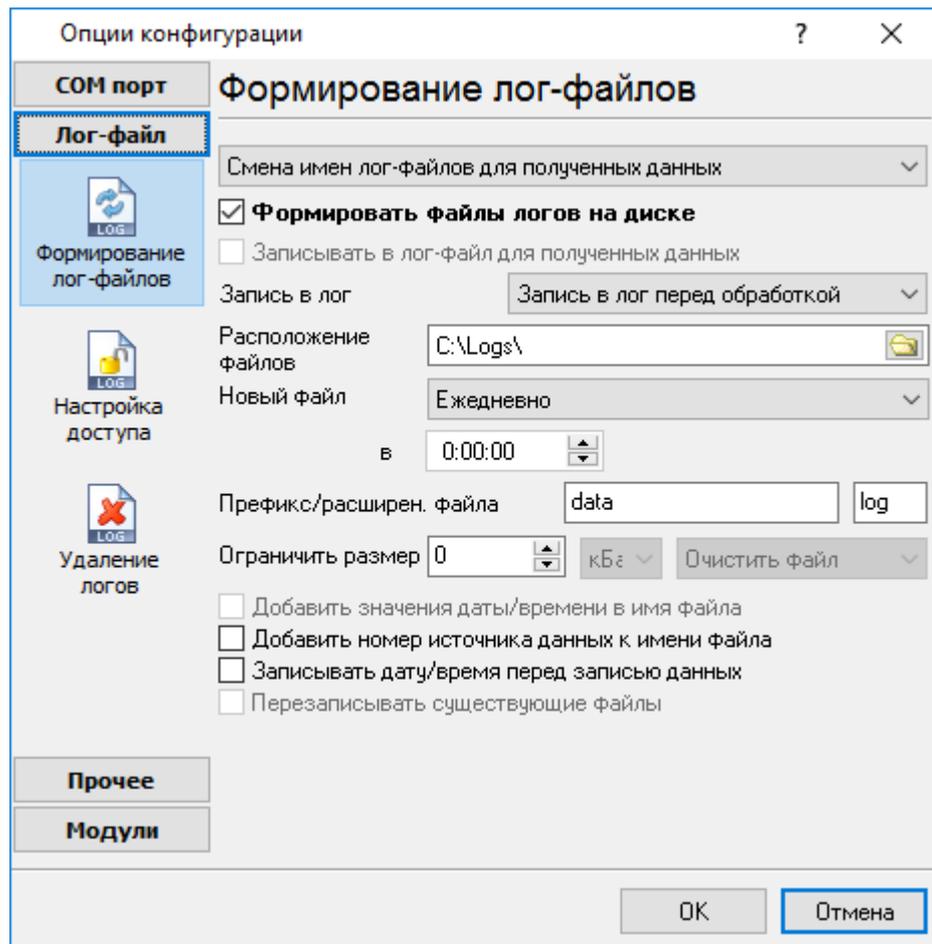
. 3.3.1.

5.3 -

5.3.1 -

(. 4.1.1).

- ().



. 4.1.1.

Advanced Serial Data Logger

"sample",

"log ",

"log". 21- " 2003 - "sampleYYYYMMDD.
"sample20030321.log".

().
" " :

1. - , .
DDMMYYYY, DD - , MM -
YYYY - ;
2. - .
MMYYYY;

3. -
YYYYMMDD;

4. -
: sample00000001.log.

5. - ;
6. - .
WWYYYY, WW -

, YYYY -
;

7. - ;
8. - .
HHDDMMYYYY;

9. - -
- -

, .
:

d - , (1 - 31);
dd - , (01 - 31);
ddd - (-) ,

dddd - (-)
;

m - , (1 - 12);
mm - , (01 - 12);
mmm - (-) ,

mmmm - (-) ,
;

yy - (00 - 99);
yyyy - (0000 - 9999);
h - , (0 - 23);

```

hh - , (00 - 23);
n - , (0 - 59);
nn - , (00 - 59);
s - , (0 - 59);
ss - , (00-59).

: "sample_log", "txt".

: = sample_log_, = txt ( !).
HHDDMMYYYY.

4 7 /

, COM1-

sample20030321.log.

/

4 7.

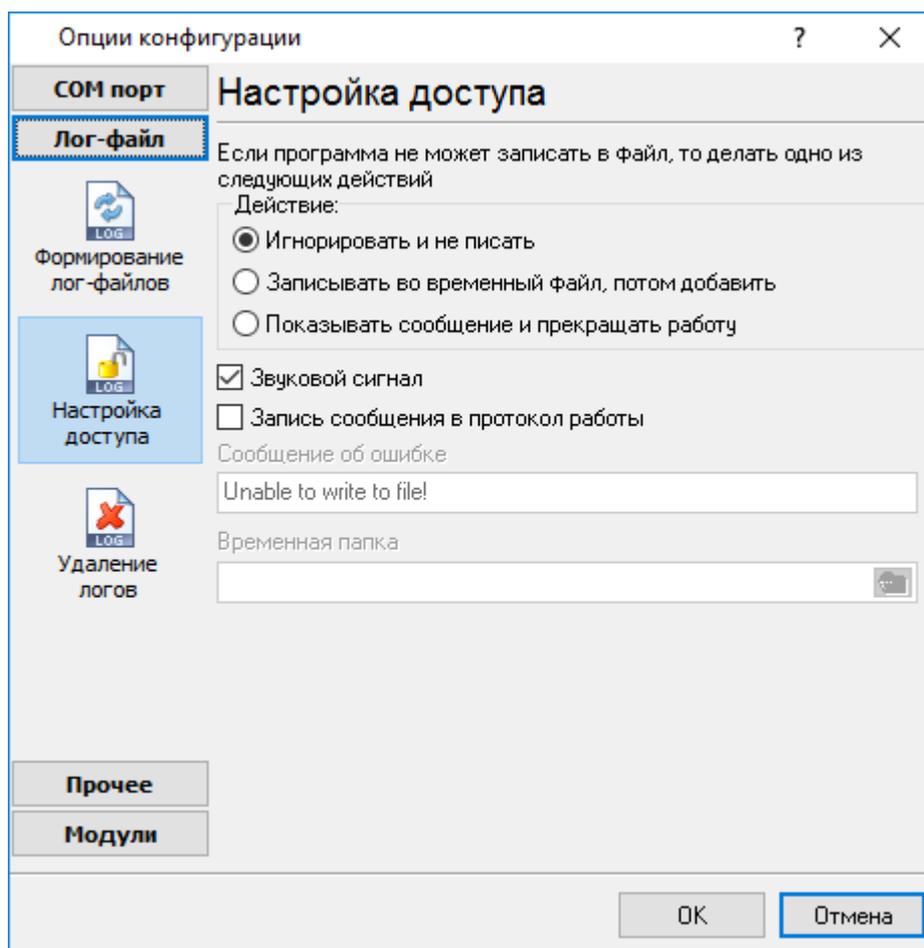
"

1.
2.
3. ( ) -
4. ( ).

```

5.3.2

Microsoft Office (, Microsoft Word),
Advanced Serial Data Logger



. 4.2.1.

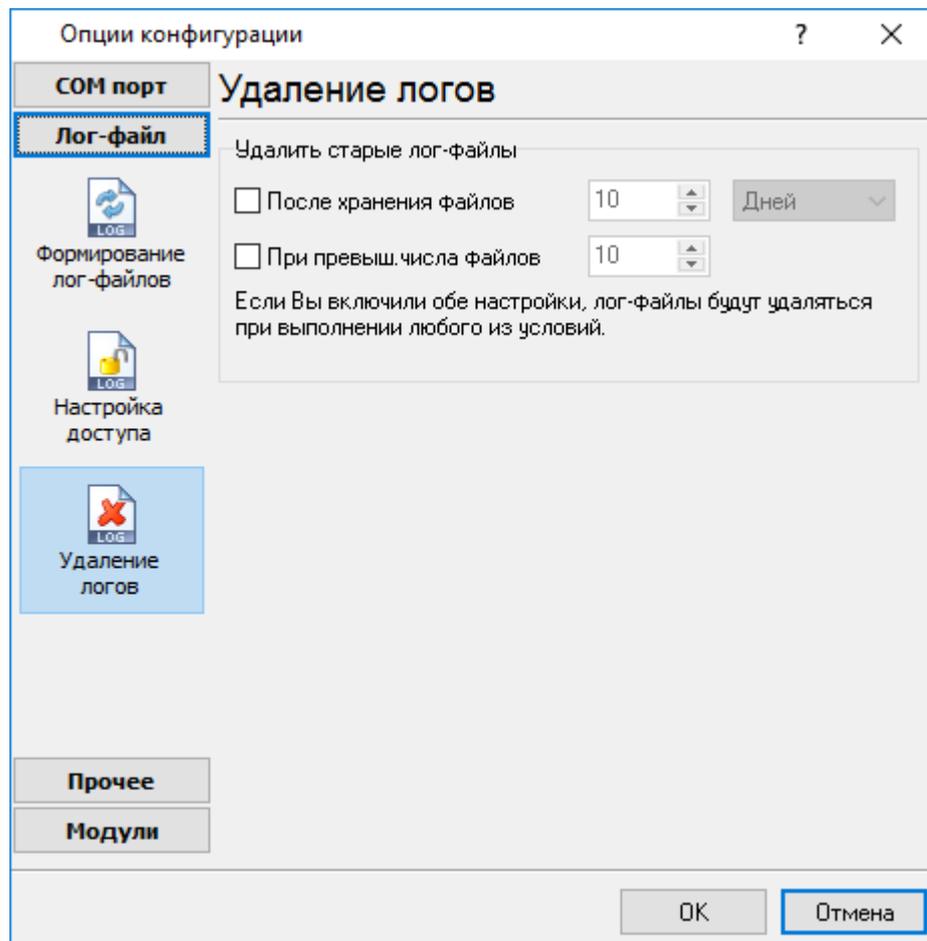
Advanced Serial Data Logger

(. 4.2.1),

-
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-

5.3.3

(рис. 4.3.1).



. 4.3.1.

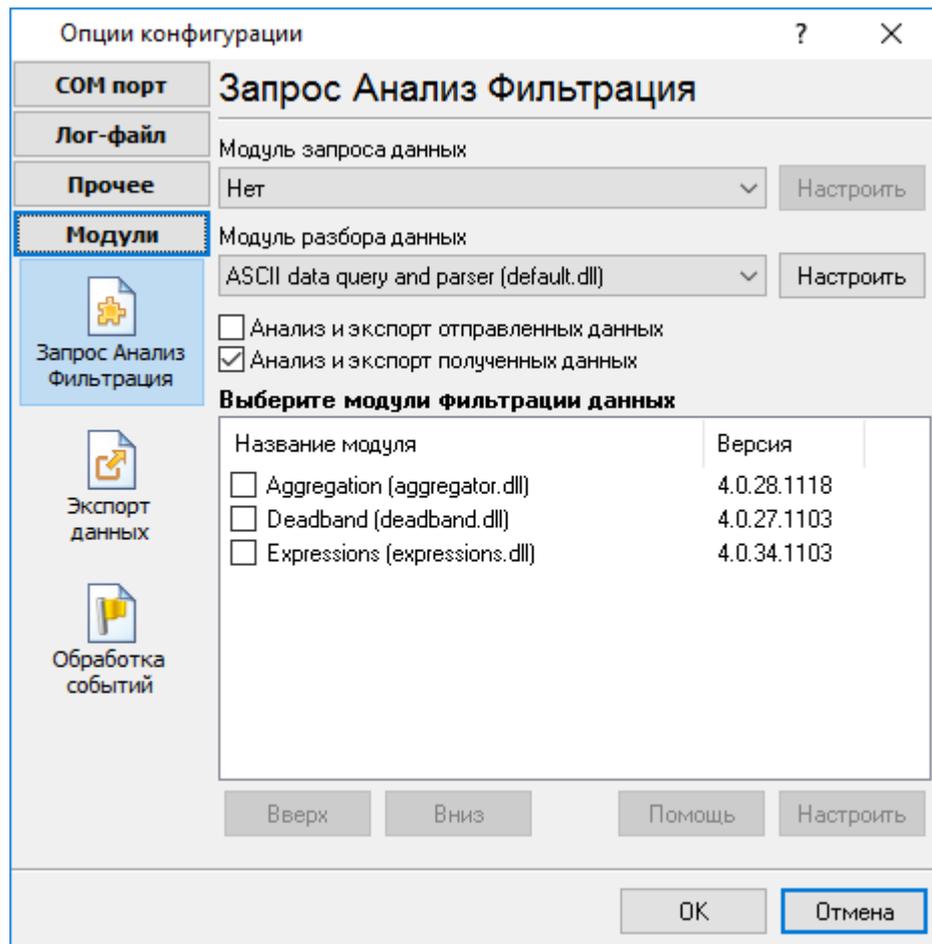
5.4

5.4.1

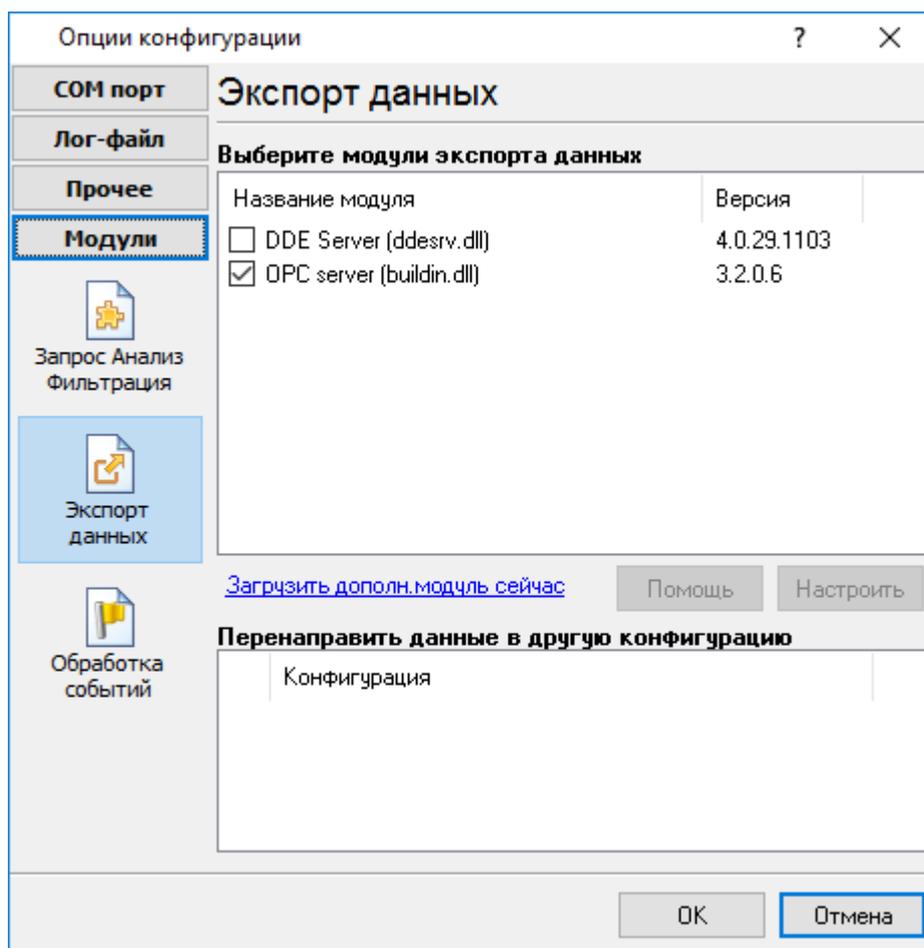
, (,) , " " (. 5.1.1 - 5.1.3).

Advanced Serial Data Logger :

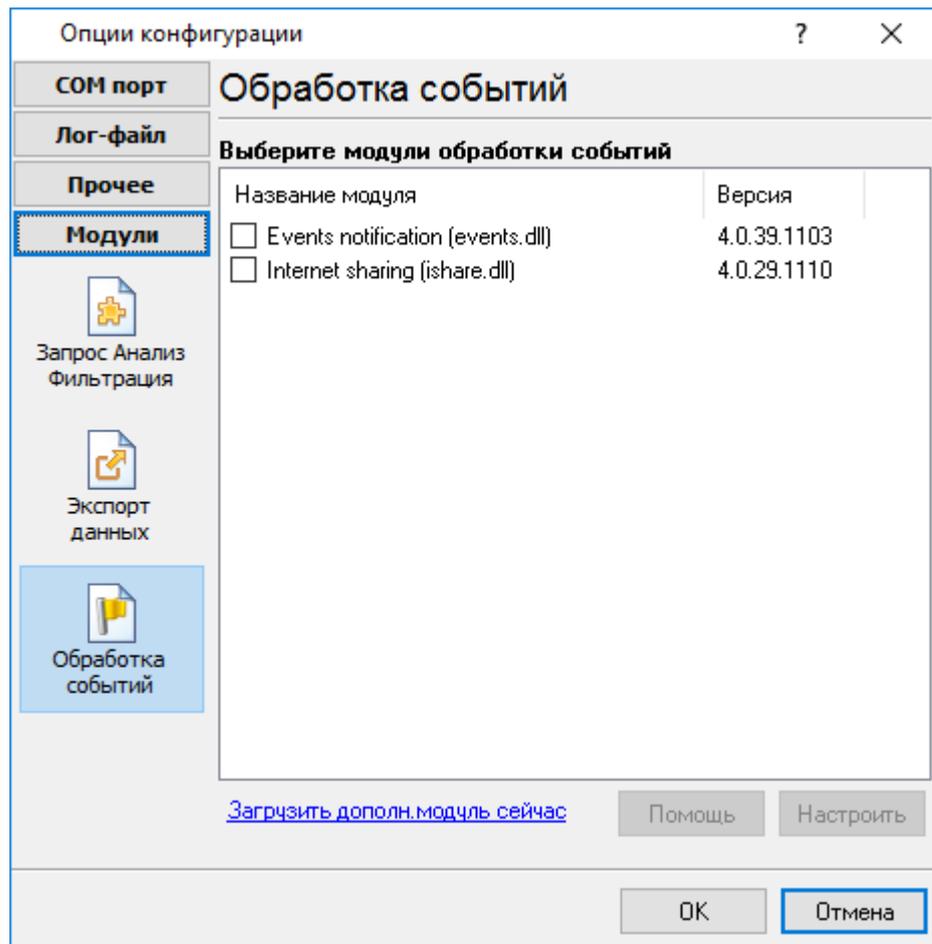
- - ; (, ,) - () ;
- - ;
- - ;
- - , Excel ;
- (. 5.1.3) - Advanced Serial Data Logger. , " - " " , "



. 5.1.1.



. 5.1.2.

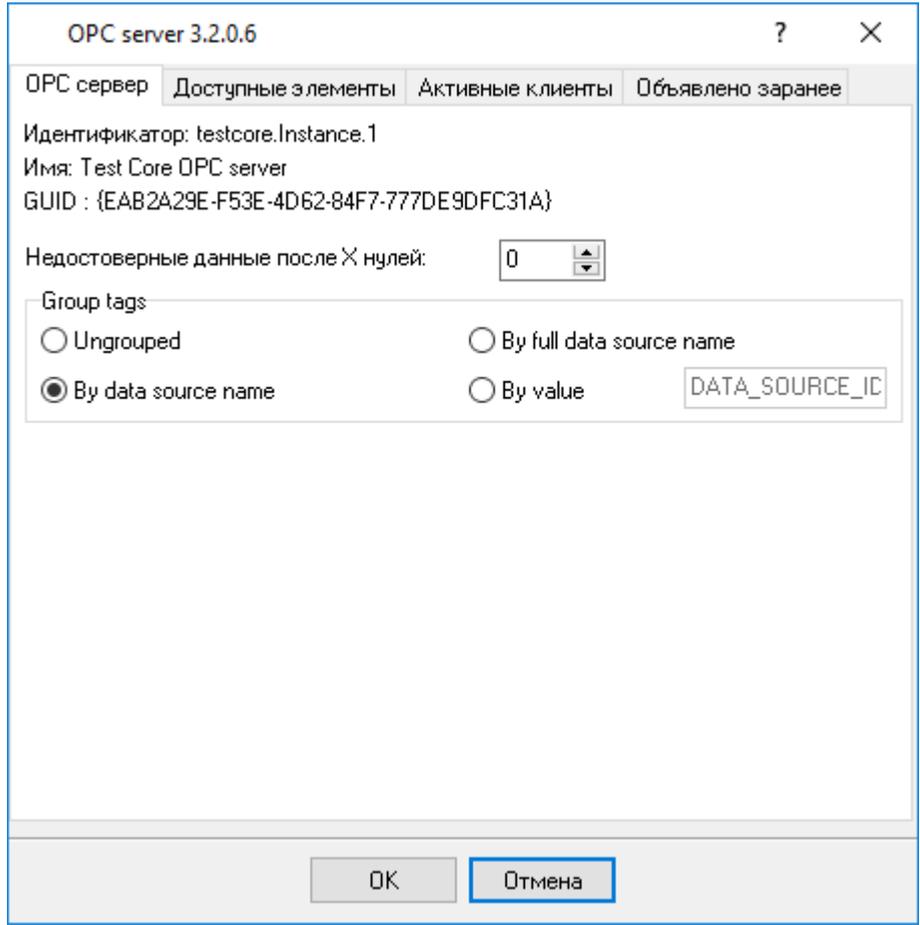


. 5.1.3.

"OK".

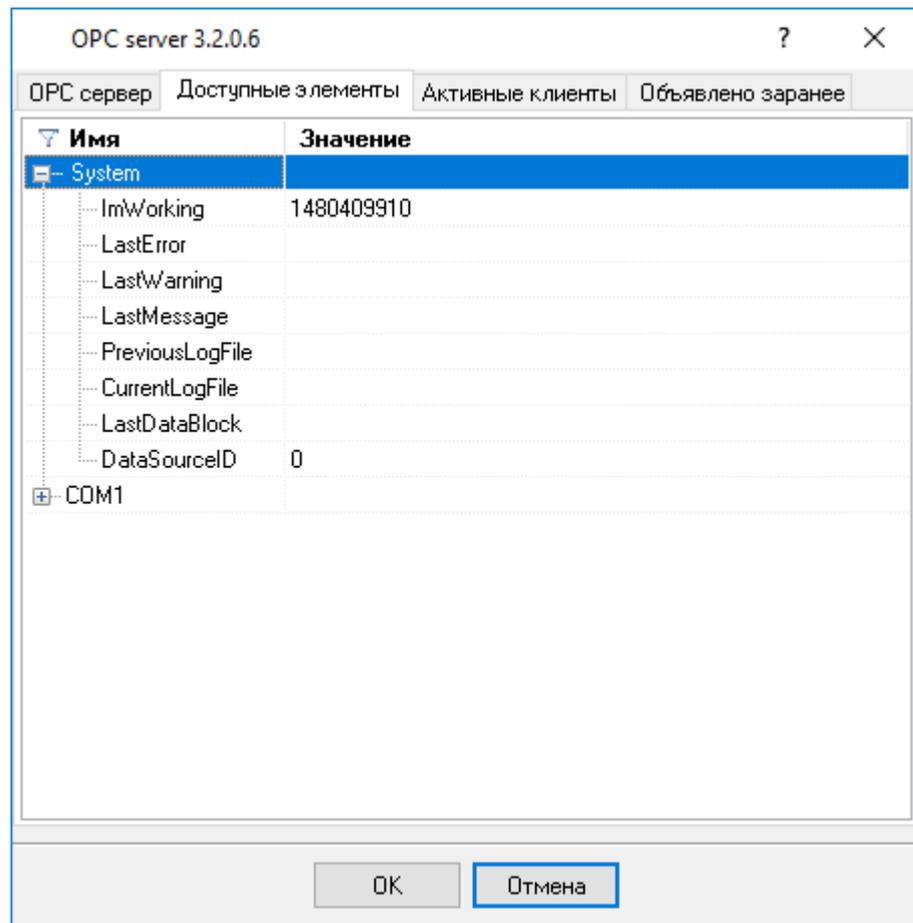
5.4.2 OPC

Advanced Serial Data Logger OPC, Advanced Serial
Data Logger OPC (. 5.2.1).
OPC OPC Core Components Redistributable www.opcfoundation.org (
OPC OPC



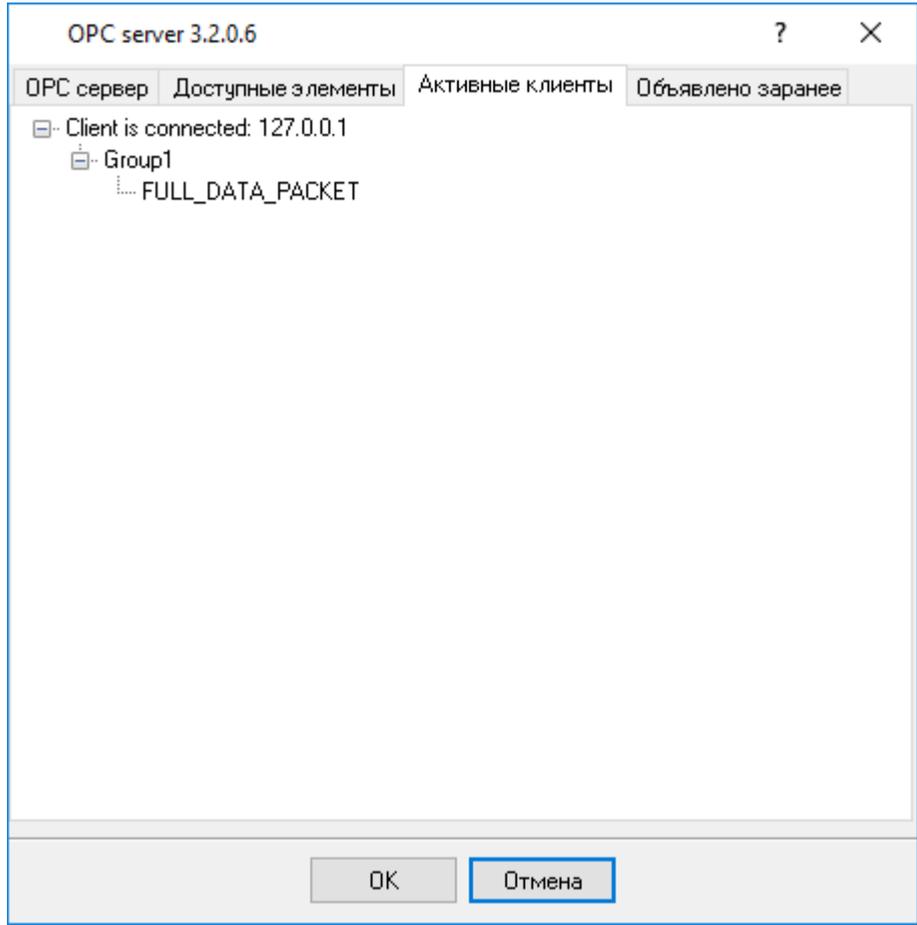
. 5.2.1. OPC

Advanced Serial Data Logger, OPC (.2). OPC



. 5.2.2.

OPC



. 5.2.3.

Advanced Serial Data Logger

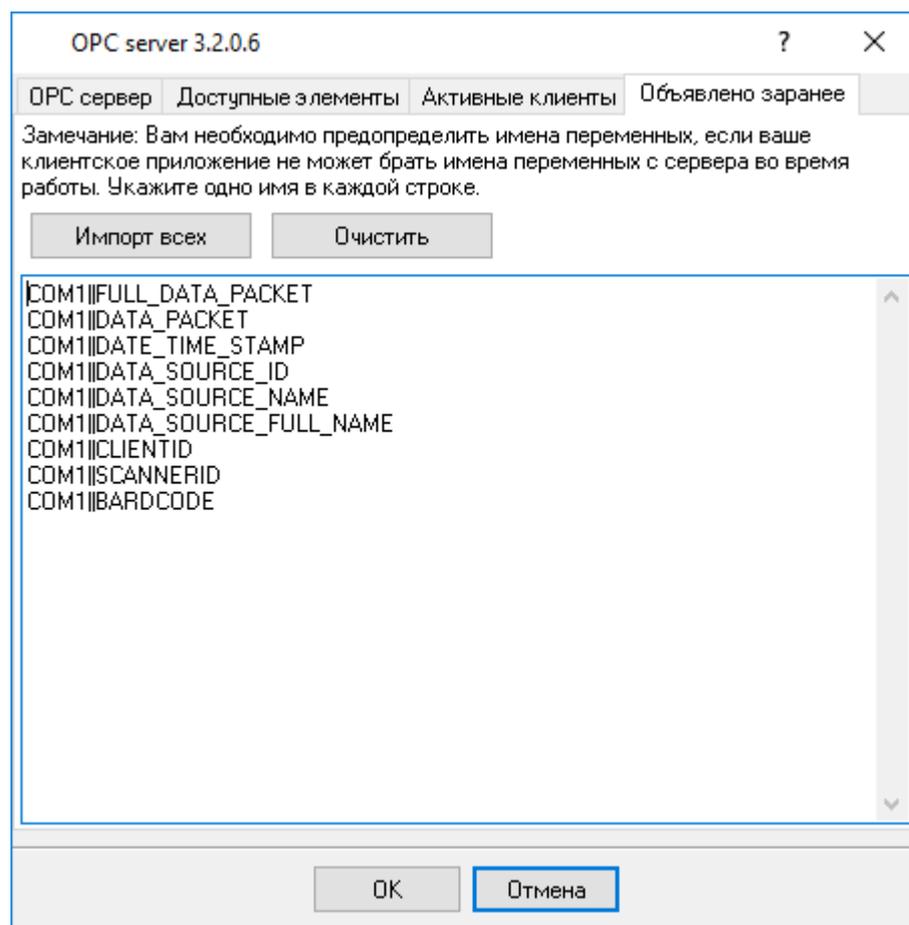
"

". Advanced Serial Data Logger

OPC

(.4).

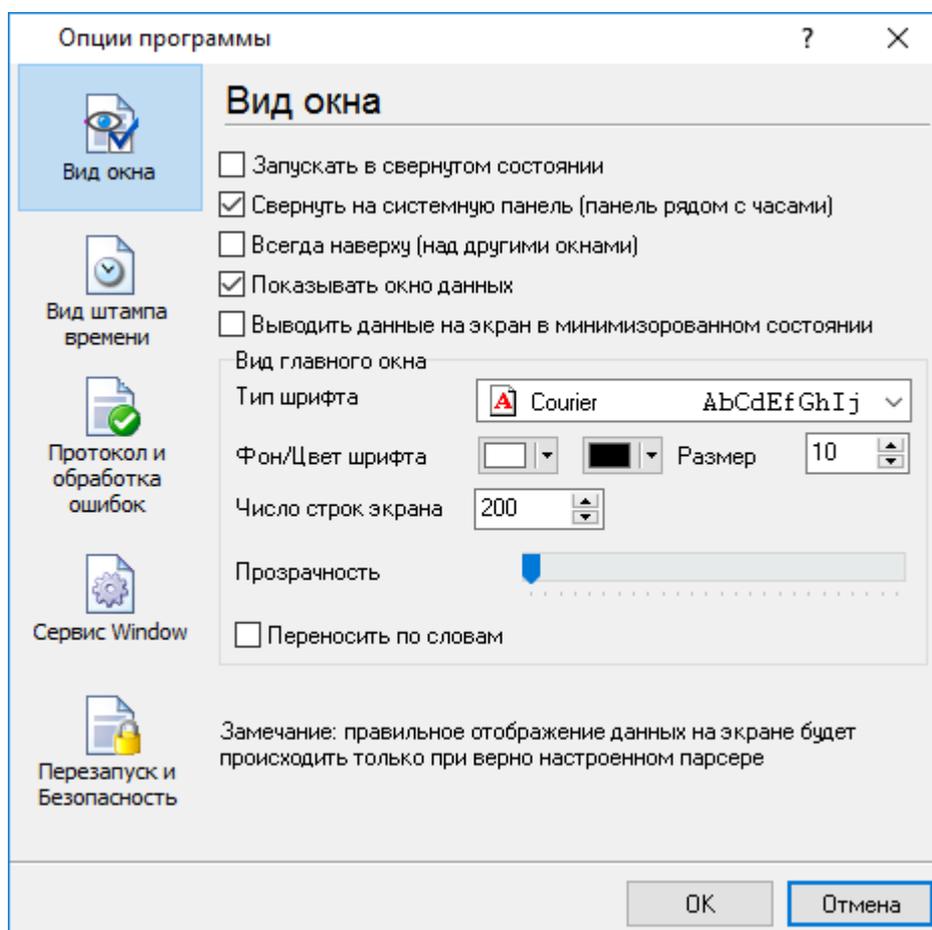
OPC
OPC



. 5.2.4.

5.5

5.5.1

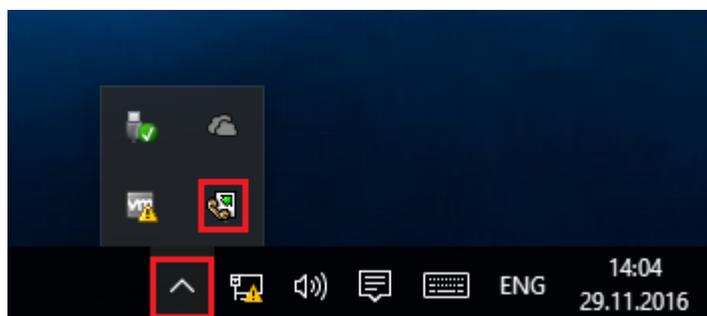


. 6.1.1.

" (. 6.1.1) :

- Advanced Serial Data Logger

(. 6.1.2) ;



. 6.1.2.

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(. 6.1.2) -

Advanced Serial Data Logger

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);

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- Windows 2000

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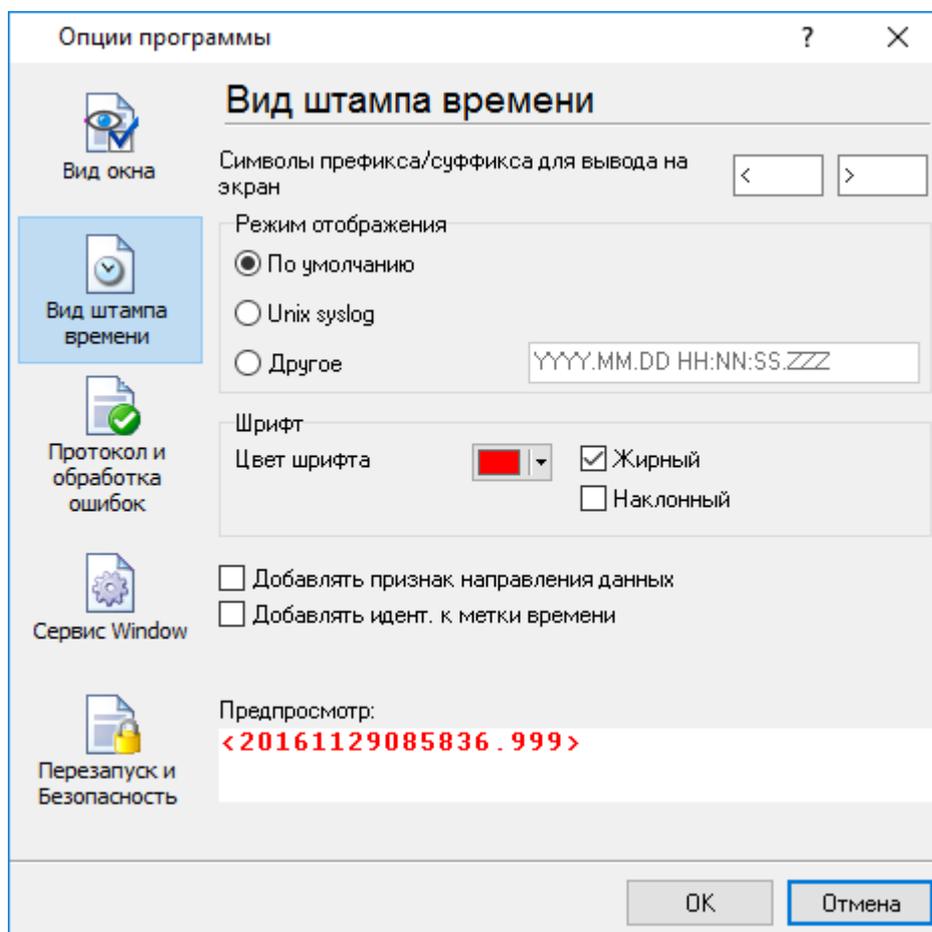
-

,

.

5.5.2

(. 6.2.1)



. 6.2.1.

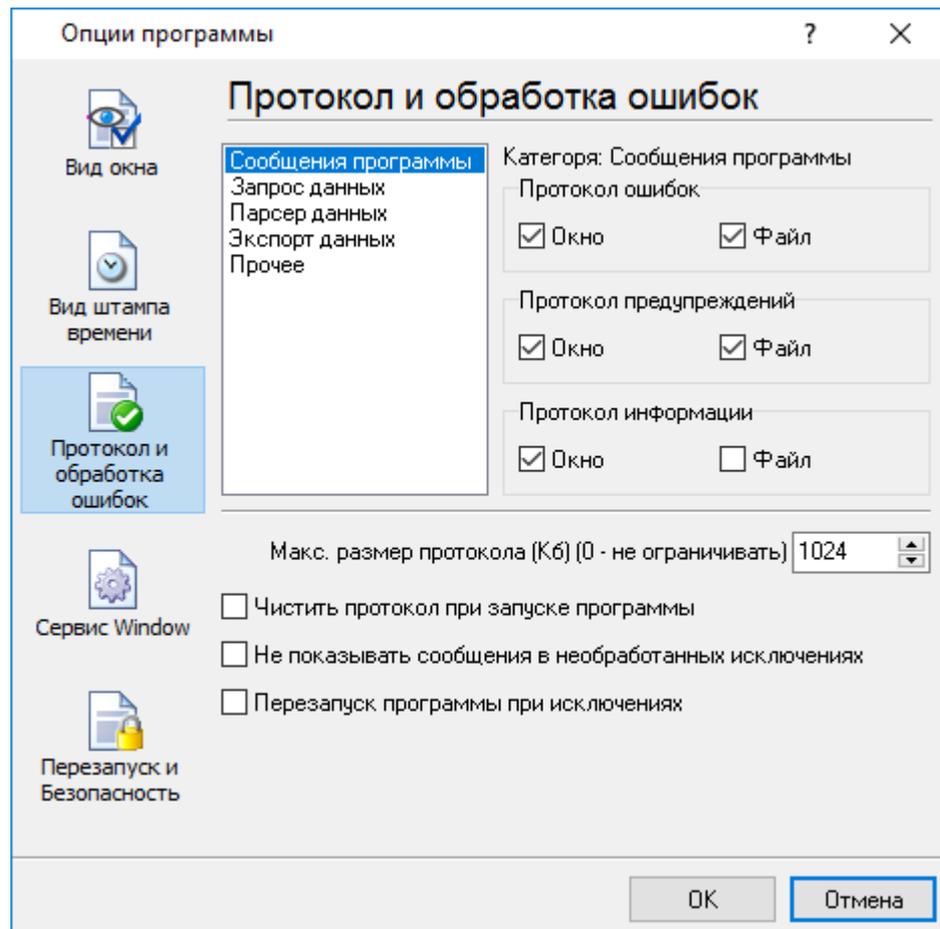
19

TX

RX

, COM1.

5.5.3

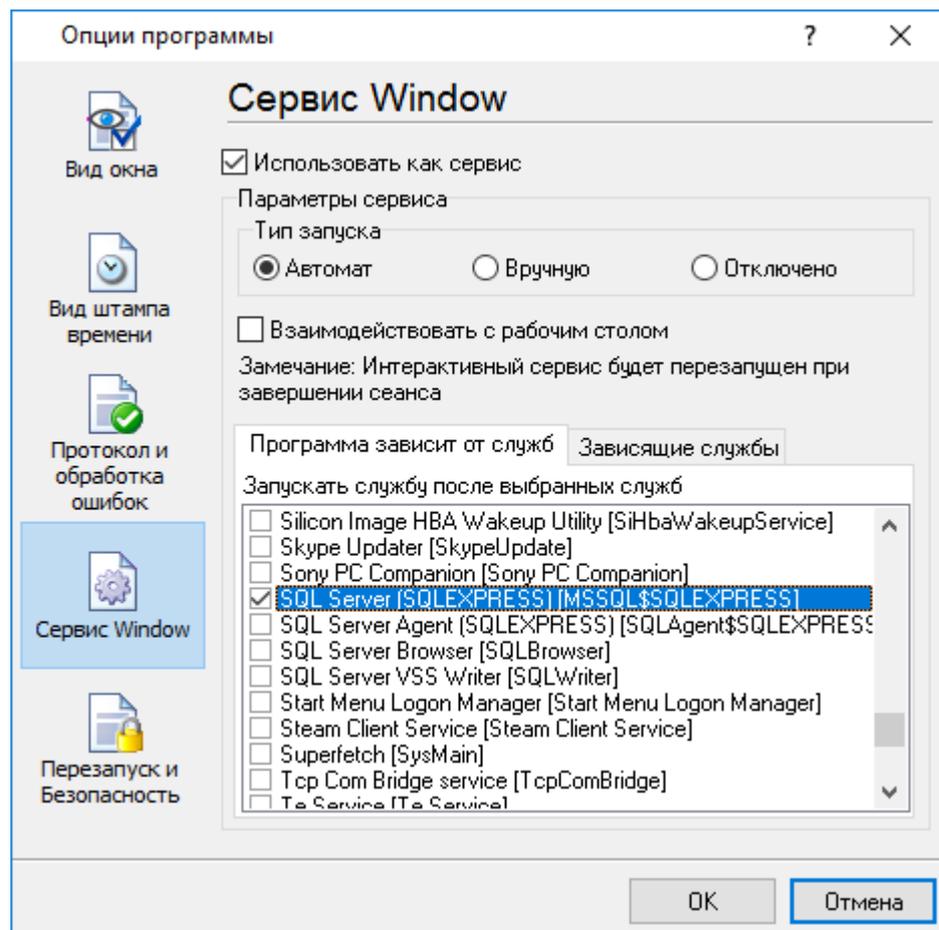


. 6.3.1.

Advanced Serial Data Logger

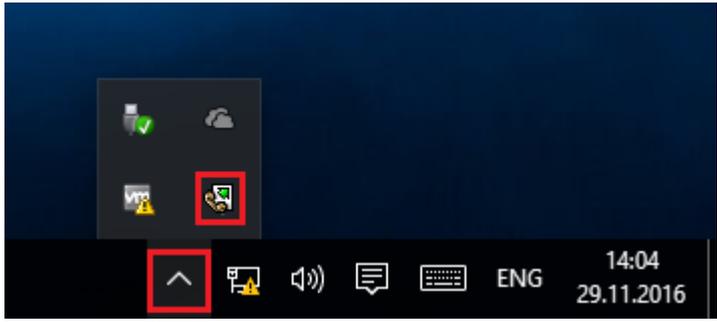
3-

-
-
-



. 6.4.1.

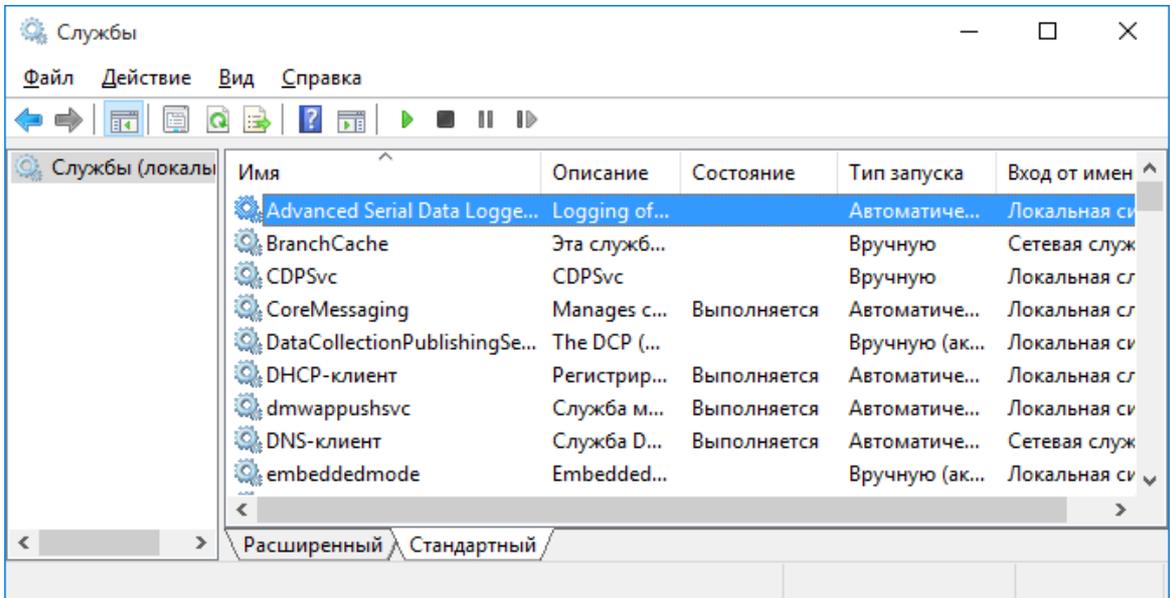
1. - ; Windows
 2. - " " ;
 3. - .
- "
- " (. 6.4.2).
- " , . . Windows



. 6.4.2

Advanced Serial Data Logger, " ' " (. 6.4.1)

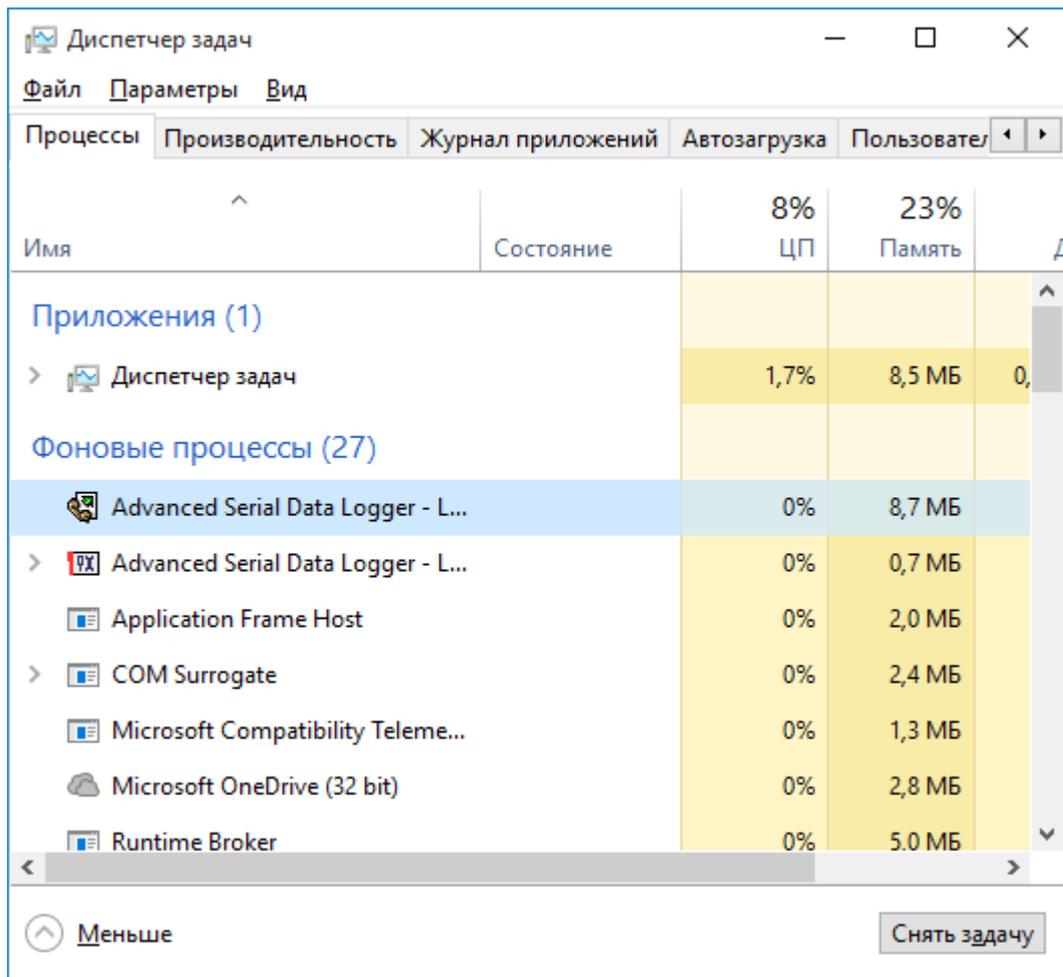
' " " ' (. 6.4.3).



. 6.4.3. (Windows 2000)

(. 6.4.4). 2 - asdlogsrv.exe asdlog.exe

Advanced Serial Data Logger,
svany.exe



. 6.4.4.

srv.exe

:

asdlog

- /? - ;
- /I - ;
- /A - ;
- /D - ;
- /R - ;

5.5.4.2

Windows Vista

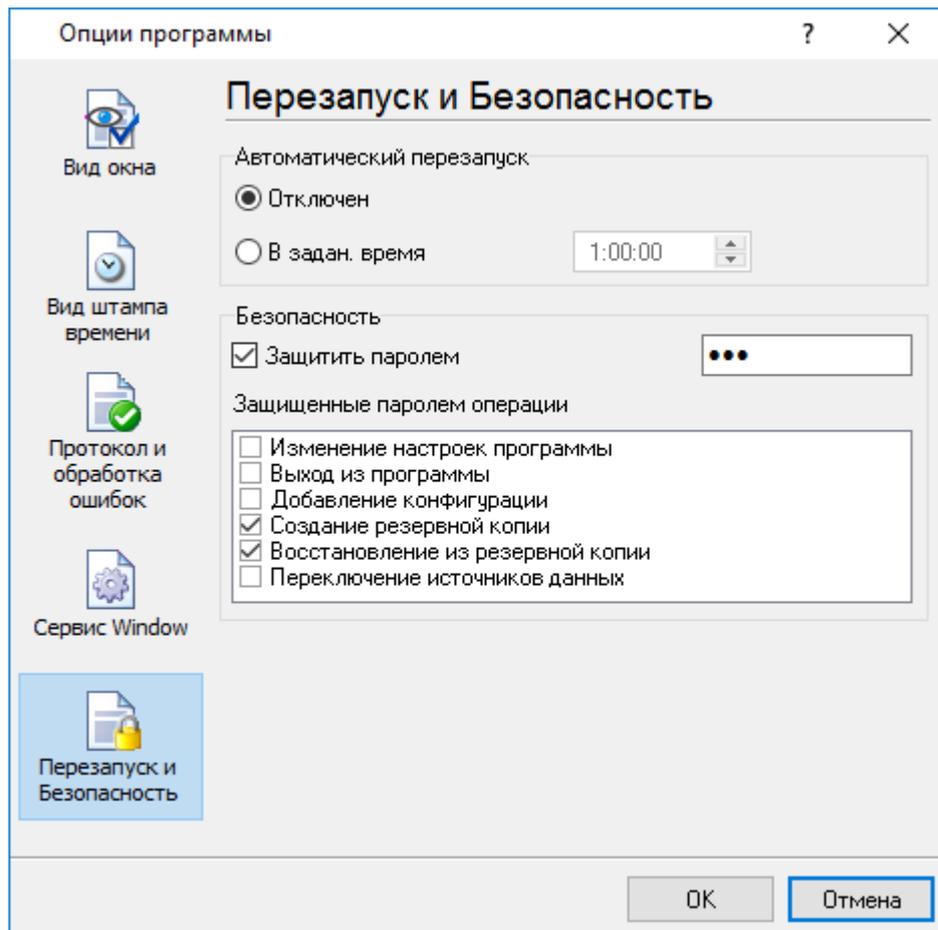
Windows Vista

Windows.

- : Interactive Services Detection
 - : UIODetect
 - : UIODetect.exe
 - :
 - : %windir%\system32\UIODetect.exe
 - :
- * Home Basic:
 - * Home Premium:
 - * Business:
 - * Enterprise:
 - * Ultimate:

5.5.5

(. 6.5.1).



. 6.5.1.

7

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7.1

SoftIce

support@aggsoft.ru.

