

Serial Printer Logger

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5

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2

(FAQ) 37

1

1.1 Serial Printer Logger

Serial Printer Logger

Adobe PDF MS Word.

ESC/P,

PDF RTF

Serial Printer Logger
RS232, RS485

Ethernet.

Serial Printer Logger:

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ESC/P ESC/P,

bitmap;

Microsoft Word (RTF) Adobe

PDF;

Windows 9x/Me/NT/2000/XP/Vista,

x86

x64.

Serial Printer Logger

Windows NT/2000/XP,

Serial Printer Logger

Serial Printer Logger -
(PC),

-
-
-

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

1.2

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

Binary File - , ASCII (0 255).

Bytes () - ,

Bit () - 8 () : 0 1. 8

Baud Rate - (), BPS
 , 2400 bps (,
), 600 .

Cable () - ,

COM port - .

4 , IBM IBM-
 COM1, COM2, COM3 COM4.

Client/Server (/) - (, ,
 . .) (,).

Data bits - (),

DNS (Domain Name System) - DNS
 (TCP/IP) DNS
 () IP .
 www.aggsoft.com 198.63.211.24.

Flow control -

Handshaking -

Internet () - TCP/IP

IP, Internet Protocol () - Internet Protocol,
 TCP/IP, IP ,
 'xx.xx.xx.xx'.

IP (**Internet Protocol**) - TCP/IP.
 IP , , IP . IP
 : 198.63.211.24.

LAN (Local Area Network) -

NIC, Network Interface Card () - ,
 turbochannel, nuBus, .) (, 10baseFL).

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.

TCP/IP, Transport Control Protocol / Internet Protocol - TCP IP

. TCP/IP
Internet.

2

2.1

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1. Serial Printer Logger

2.

3. Serial Printer Logger

4.

5. Serial Printer Logger
sales@aggsoft.ru

6. Serial Printer Logger

Serial Printer Logger

7. **Serial Printer Logger**

"AS IS".

8.

9. Serial Printer Logger

10. -
Serial Printer Logger
Serial Printer Logger.

2.2

shareware-

[5](#)

- 21
-

2.3

shareware-

[4](#)

Internet,

[_____](#)

2.4

Serial Printer Logger	support@aggsoft.ru
	support@aggsoft.ru
	sales@aggsoft.ru

3

3.1

- Windows 95 (comctrl.dll,);
- Windows 95 OSR2;
- Windows 98;
- Windows Me.

- Windows NT4 (SP4).
- Windows 2000 Professional;
- Windows 2000 Server;
- Windows XP x86 x64;
- Windows 2003 Server x86 x64;
- Windows Vista () x86 x64.

Internet Explorer 5.0

COM-

3.2

Serial Printer Logger.

, Serial Printer Logger

"/Programs Files/Serial Printer

Logger"

Serial Printer Logger

4

4.1

Serial Printer Logger

Serial Printer Logger

" "

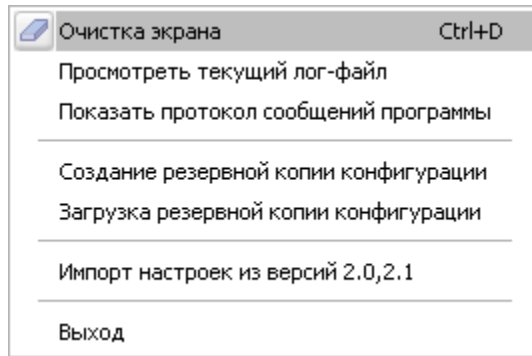
() (.1),

" / ..."), " " (.2)

```

Serial Printer Logger 2.3.0.9
Commands Options Help
COM1
<20070924105936.708>
<CR><LF>
<20070924105936.708>
<ESC>x0<ESC>W0<DC2><ESC>M<ESC>W0<SI><ESC>F<ESC>5<ESC>-
0<ESC>H<ESC>T<ESC>T<ESC>x0<ESC>W0<SI><ESC>W0<DC2><ESC>
M<ESC>F<ESC>5<ESC>-0<ESC>H<ESC>T<ESC>T<ESC>Pbig<DC2><E
SC>M<LF><CR><ESC>x0<ESC>W0<DC2><ESC>M<ESC>W0<SI><ESC>F
<ESC>5<ESC>-0<ESC>H<ESC>T<ESC>T<ESC>x0<ESC>W0<SI><ESC>
W0<DC2><ESC>M<ESC>F<ESC>5<ESC>-0<ESC>H<ESC>T<ESC>T<ESC>
>Wdouble<ESC>W0<LF><CR><ESC>x0<ESC>W0<DC2><ESC>M<ESC>
W0<SI><ESC>F<ESC>5<ESC>-0<ESC>H<ESC>T<ESC>T<ESC>x0<ESC>
>W0<SI><ESC>W0<DC2><ESC>M<ESC>F<ESC>5<ESC>-0<ESC>H<ESC>
>T<ESC>T<ESC>S1subtext<ESC>T<LF><CR><ESC>x0<ESC>W0<DC2>
><ESC>M<ESC>W0<SI><ESC>F<ESC>5<ESC>-0<ESC>H<ESC>T<ESC>
T<ESC>x0<ESC>W0<SI><ESC>W0<DC2><ESC>M<ESC>F<ESC>5<ESC>
24.09.07 10:59:14 Starting the program
COM1 is opened >> Bytes received:216

```




.2.

"

"

C:\.

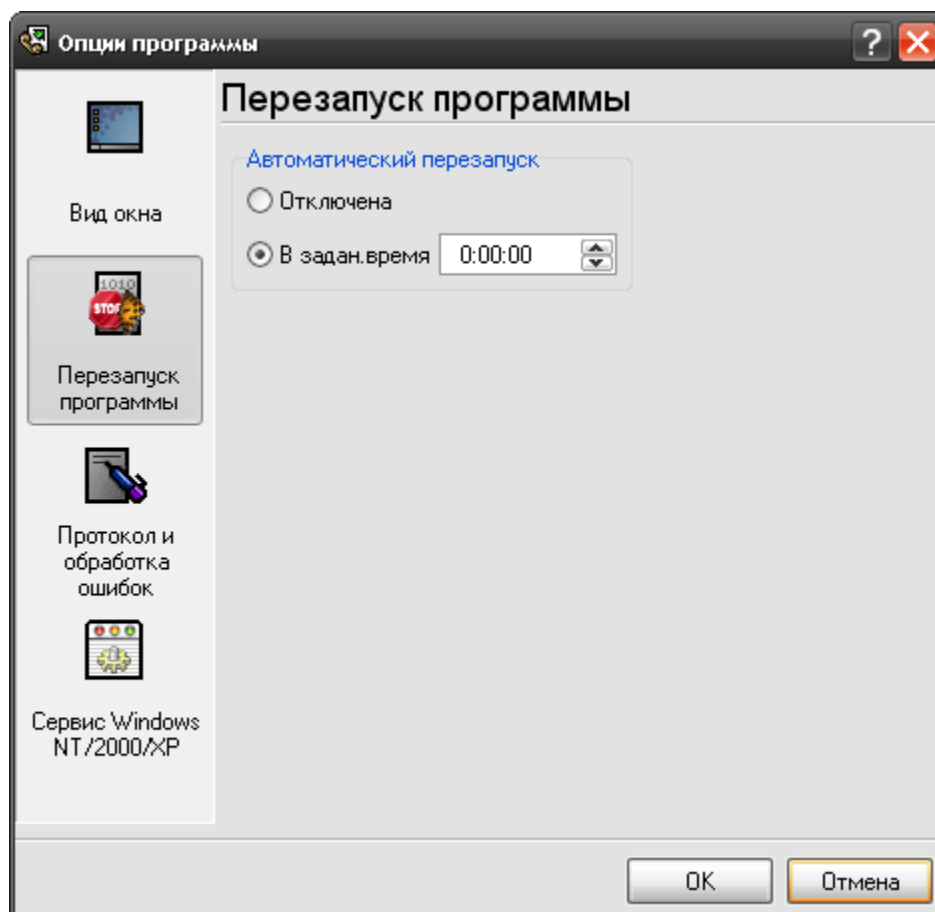
**1-2-3-4-5****1.**" **2.**COM " " **3.** Configure log file.

Select the "Log file" header in the port options dialog window and enable logging for a necessary data direction.

4." **5.**

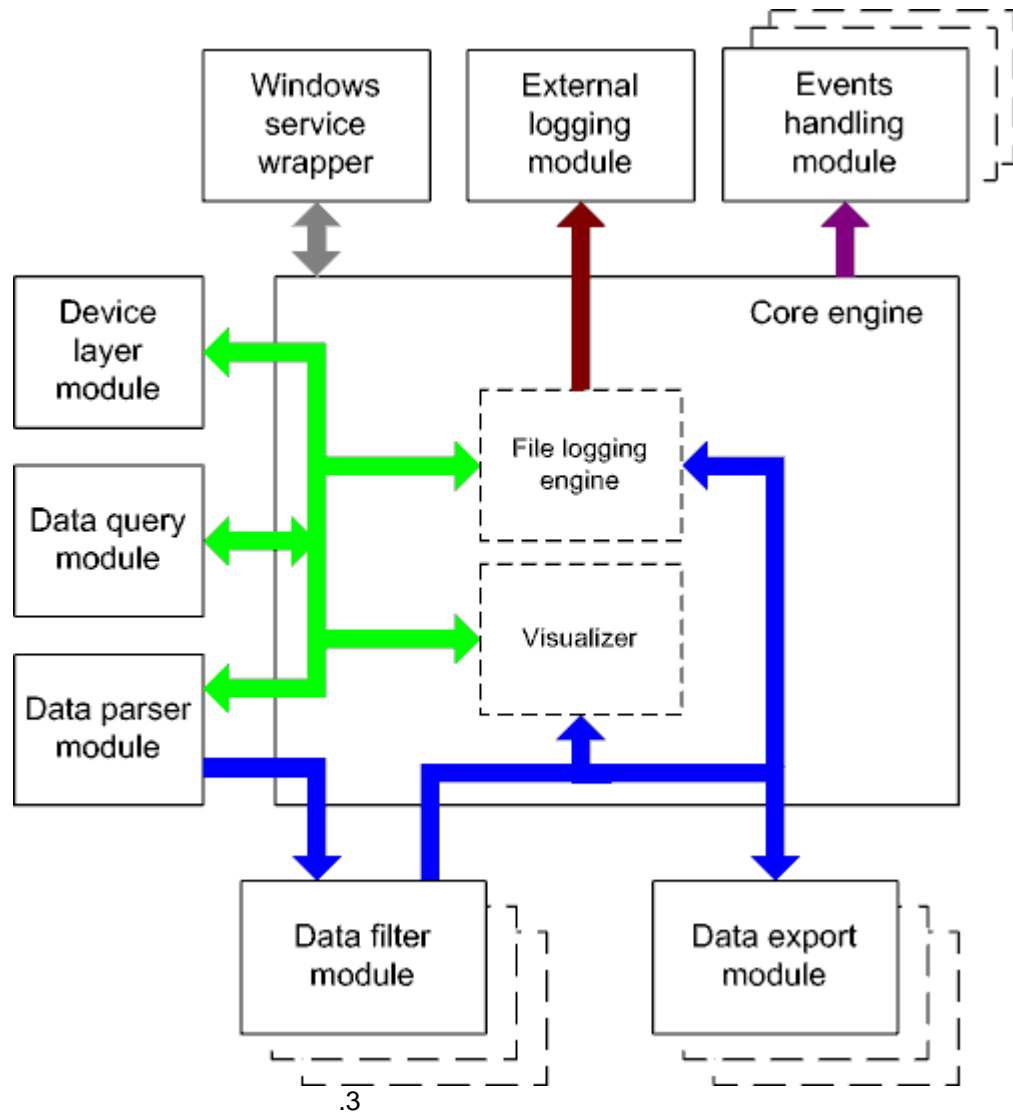
Serial Printer Logger

Serial Printer Logger



.3

4.3



- - ()
- - ()

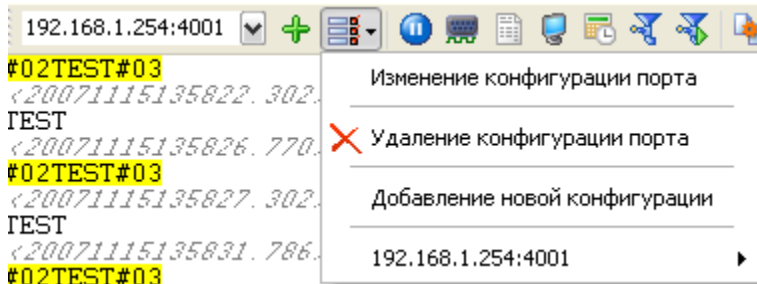
• Core engine -

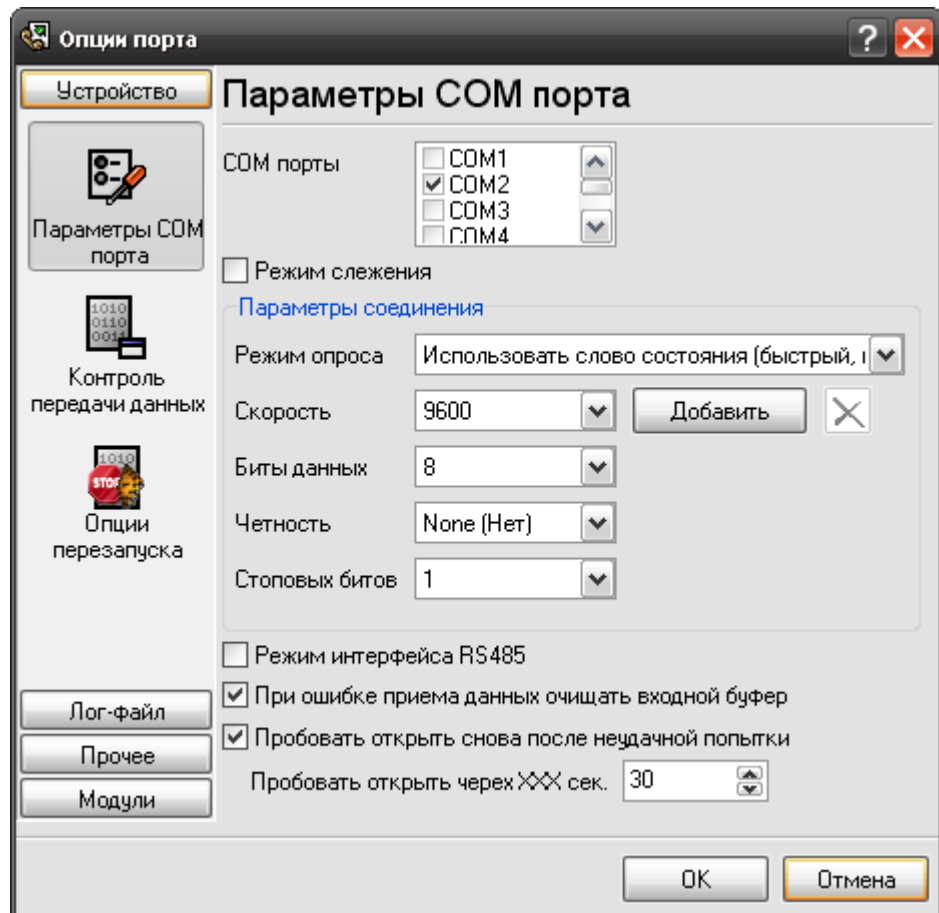
- Device layer module -
- Data query module -
- Data parser module -
- Data filter module -
- Data export module -
- Visualizer -
- File logging engine -
- Windows service wrapper -
- External logging module -
- Events handling module -

4.4

4.4.1

(COM)





.5 COM-

RS-485

RTS-

API-

Windows

: API-

Windows.

API,

Windows

API

API -

. Serial Printer

Logger

(WRPI.DRV

10% Xon.

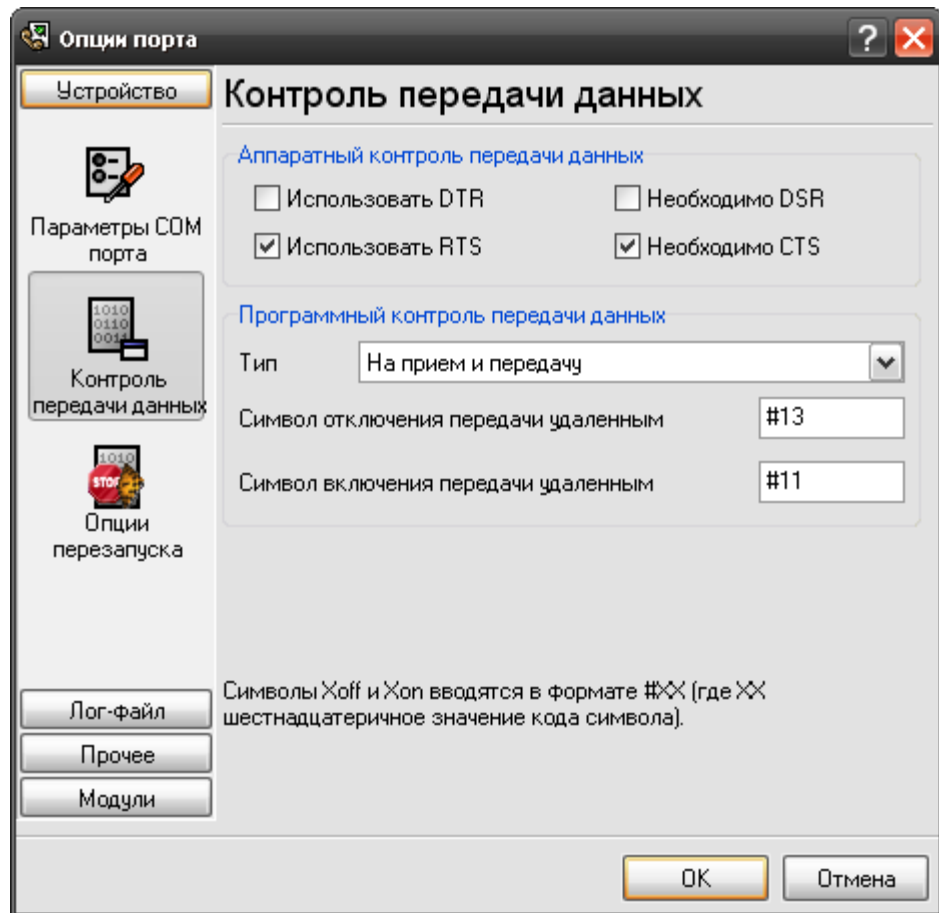
" " " " " "

" " 10% 90%

Xoff. Xon

)

0x11 0x13 - COM-



.6

Serial Printer Logger

```

COM-
COM-
Serial Printer Logger,
COM-
Serial Printer 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) -
Serial Printer Logger
break (break condition received)

```

4.4.2 TCP/IP

UDP TCP

```

UDP (User Datagram Protocol). TCP
TCP (Transport Control Protocol)
IP. , TCP
TCP
UDP ,TCP
UDP
UDP
TCP, UDP IP TCP, UDP

```

Instant Messaging, UDP IP.

Serial Printer Logger

TCP/IP

(TCP/IP) Serial Printer Logger

1. IP

TCP/IP IP

Serial Printer Logger

(www.yourserver.com)

"Plant1"

IP Serial Printer Logger IP

2. IP ;

IP Serial Printer Logger (NIC),

IP Serial Printer Logger IP

Microsoft Windows, TCP/

IP IP

Serial Printer Logger "OK" TCP/IP.

Serial Printer Logger

IP

Serial Printer Logger

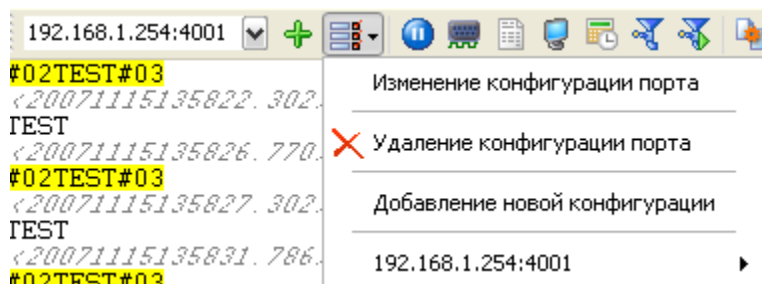
(.1⁷).

(.1⁷)

(.5). IP"

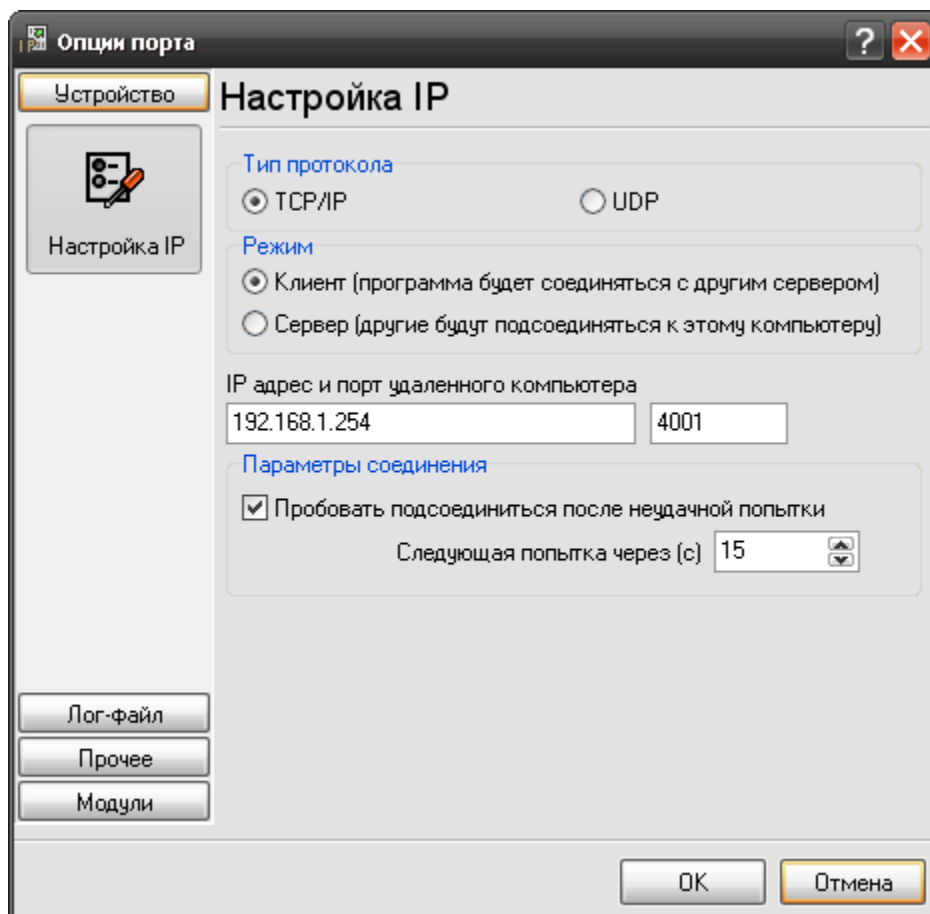
TCP/IP

" (.4).



.4

TCP/IP: IP"



.5

TCP/IP.

```

IP
,
,
.
SMTP - 25, the telnet - 23,
NNTP - 119,
SERVICES,
Windows ( Windows NT
WINNT\SYSTEM32\DRIVERS\ETC). SERVICES -
Serial Printer Logger
(
)
).
IP (socket).
IP
IP
" "
IP
).
(
)
" Serial Printer Logger
XXX N
"
IP
IP
Serial Printer Logger IP
(firewall)
Microsoft Windows XP Service Pack 2 (SP2), Serial
Printer Logger . Windows Firewall,

```

Windows Firewall

(Security

Alert).



.6

-
-
-

Windows XP SP2

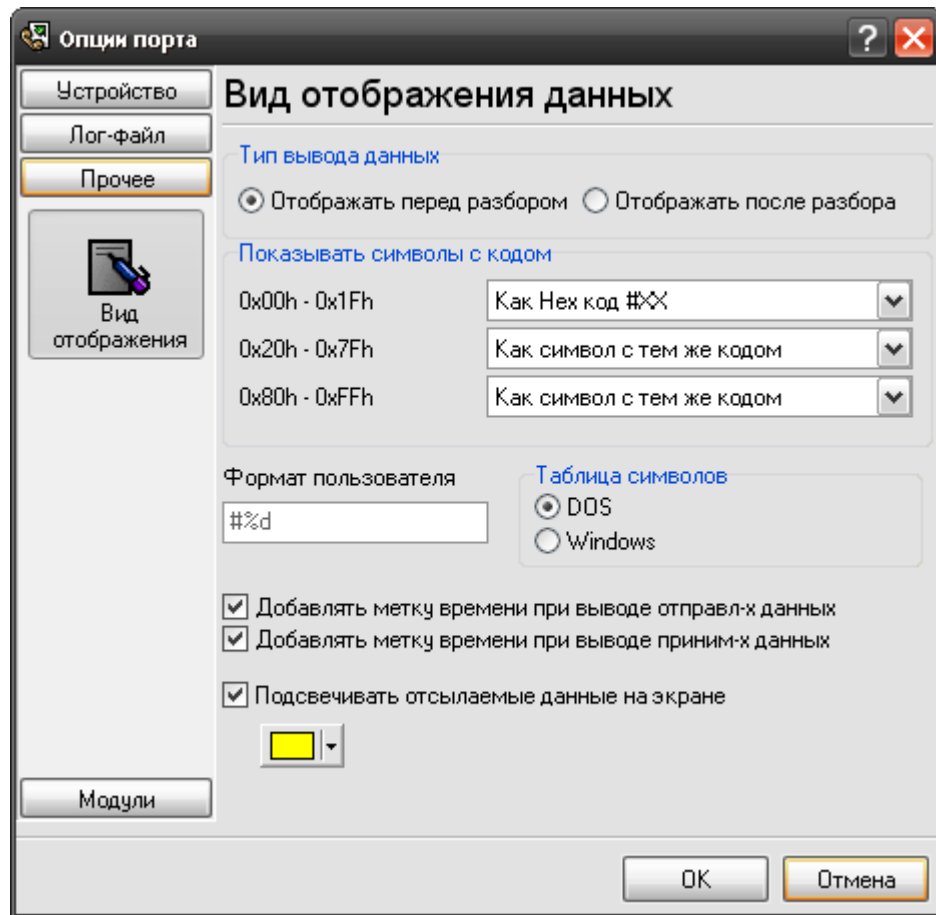
4.4.3

(.17)

2

(.7):

- 1.
- 2.



.7.

" / "

, :

1.

-

,

. ,

Hex-

2.

%d

, %x -

3.

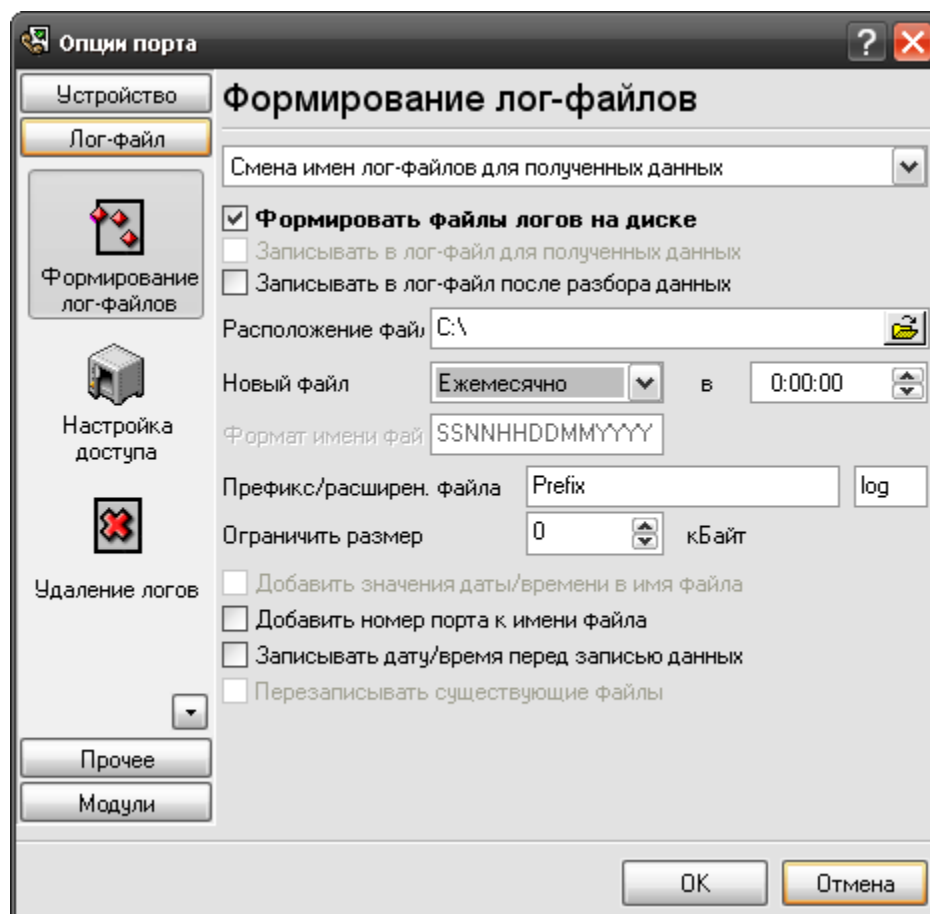
-

4.

4.4.4

4.4.4.1

COM



.8.

"OK".

Serial Printer Logger

"log",

"sample",

"sampleYYYYMMDD.log". 21-

2003


```

yyyy - (0000 - 9999);
h - (0 - 23);
hh - (00 - 23);
n - (0 - 59);
nn - (00 - 59);
s - (0 - 59);
ss - (00-59).

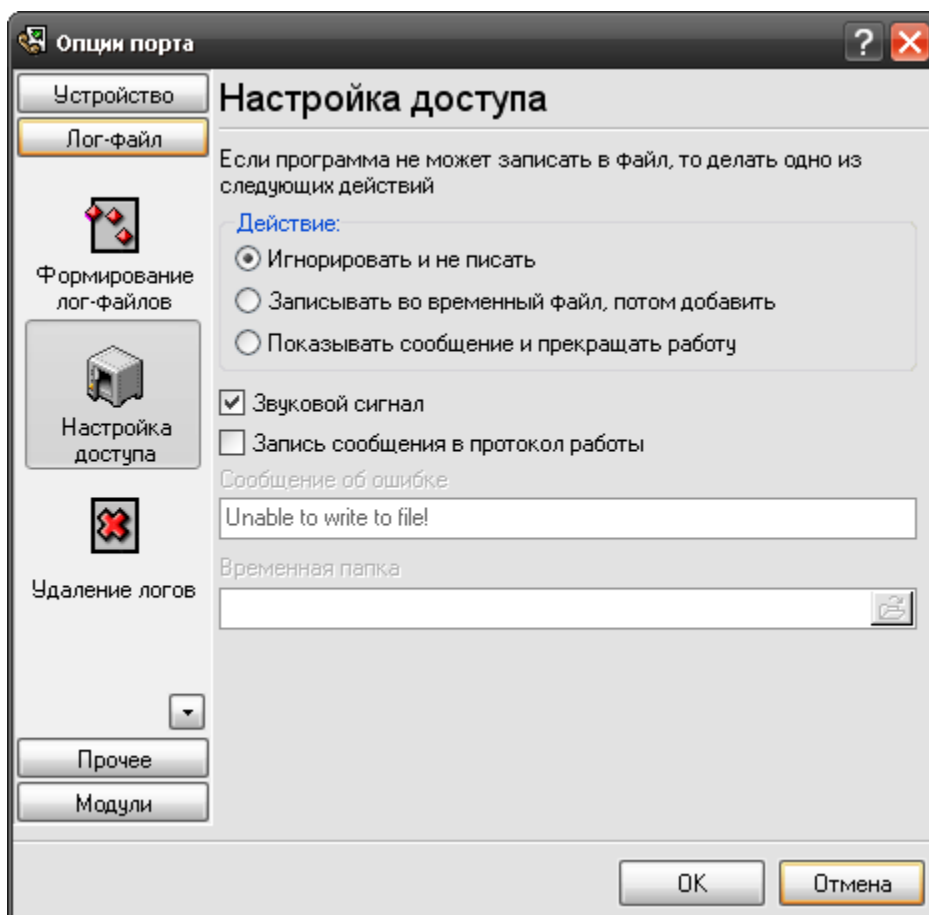
: "sample_log", "txt".

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

```

4.4.4.2

(.1).
Microsoft Office (, Microsoft Word), Serial Printer Logger



.9.

Serial Printer Logger

•

•

•

4.4.4.3

4.4.4.4

PDF/RTF

4.4.4.4.1

"PDF logging"

"RTF logging"

Adobe PDF

Microsoft Word RTF.

EPSON

ESC/P
ESC/P,

ESC/P 2, EPSON

PDF/RTF

ESC/P

4.4.4.4.2

(.1):

- ESC/P -
- LQ - () LQ. LQ
- / ;
- - , ;
- Courier.
- Fixedsys, Courier; " ESC/P",
- ; ESC/P
- - ;
- , ESC/P;
- - ;
- (<TAB> ASCII) ESC/P.

Параметры документа

Декодировать управляющие коды ESC/P

Режим LQ

Параметры бумаги: A4 210 x 297 mm

Тип шрифта и размер: Courier New 8

Набор символов: ANSI

Цвет шрифта/страницы: [Черный] [Белый]

Стиль шрифта

Жирный Наклонный Перенос слов

Размер табуляции: 4

Инициал-ть

Время ожидания

Закреть файл (мс): 3000

Сбросить (мс): 2000

Закреть файл

Сбросить

.1

()

• ()-

• ()-

• ESC/P.

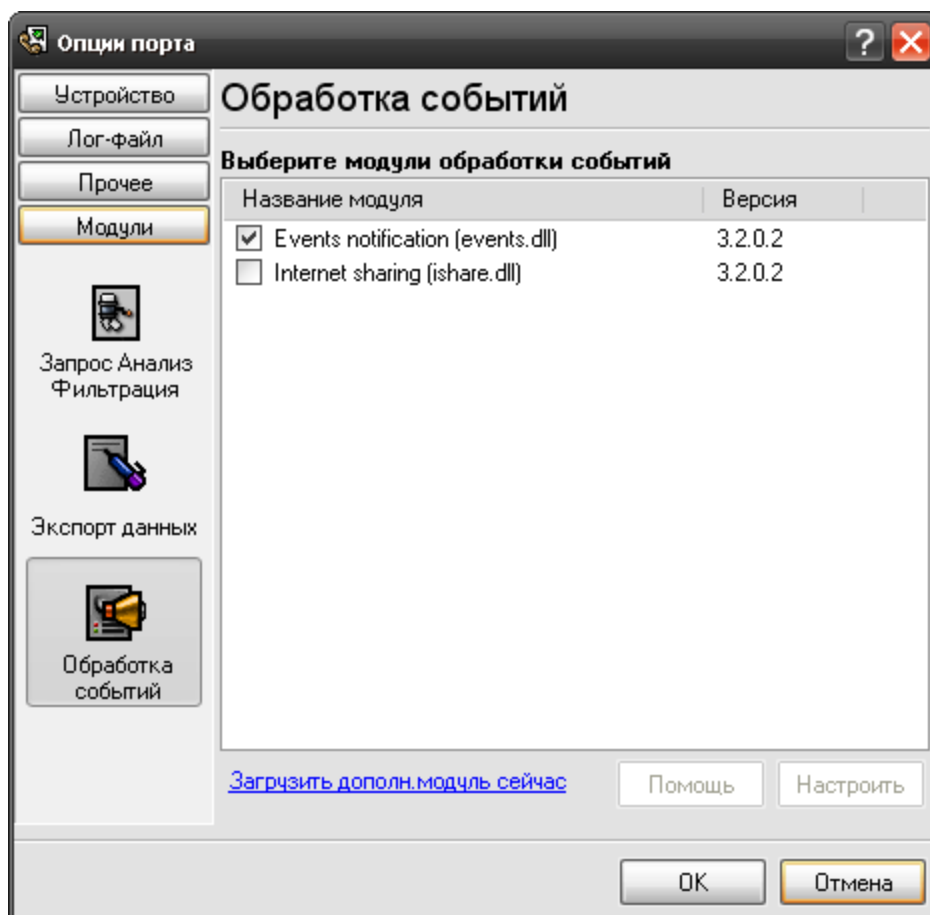
•

4.4.5

4.4.5.1

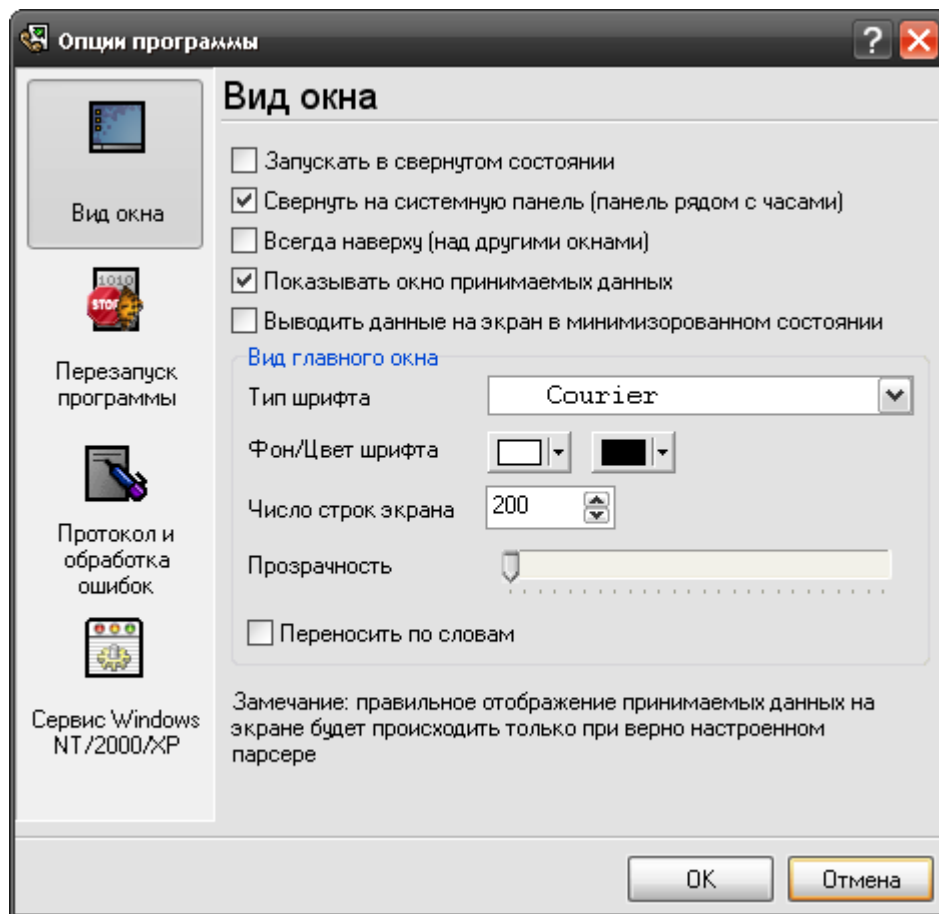
Serial Printer Logger

(.12) -
Serial Printer Logger.



.12

4.5



.1.

" (.1)

•

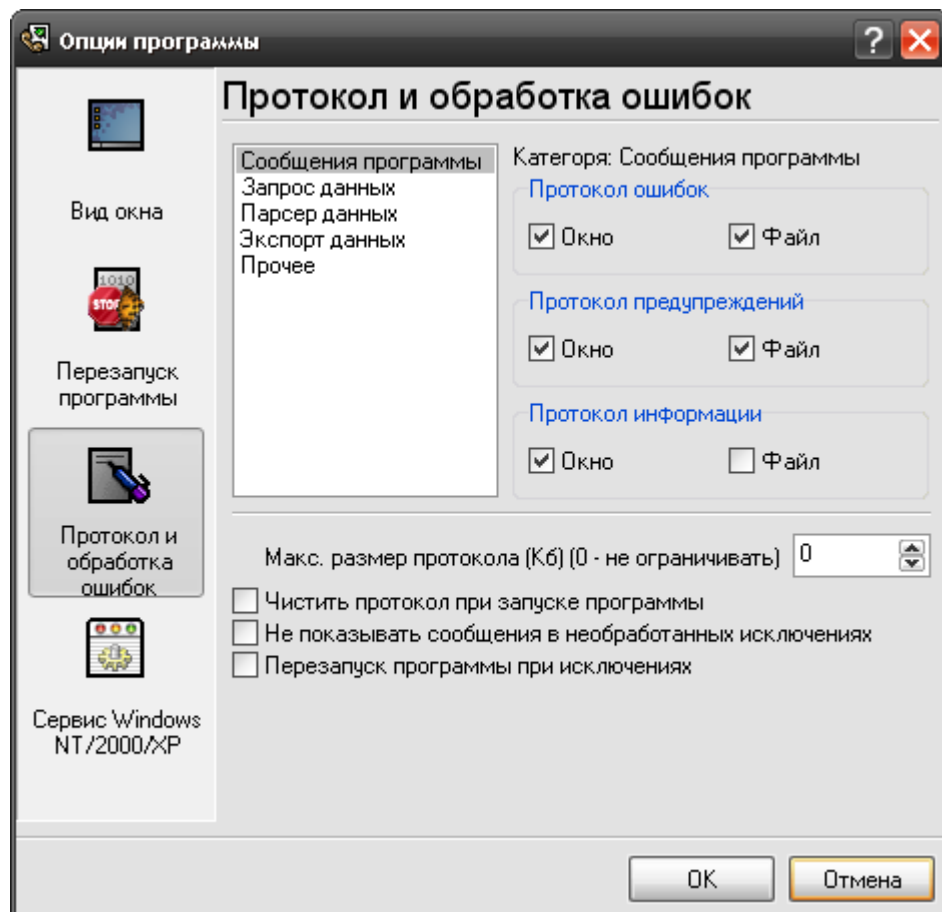
Serial Printer Logger

(SysTray, .2)

•

(.2) -

Serial Printer Logger



.1

Serial Printer Logger

3-

:

-
-
-
-
-
-
-
-

Serial Printer Logger

4.8 Windows NT/2000/XP/Vista

4.8.1

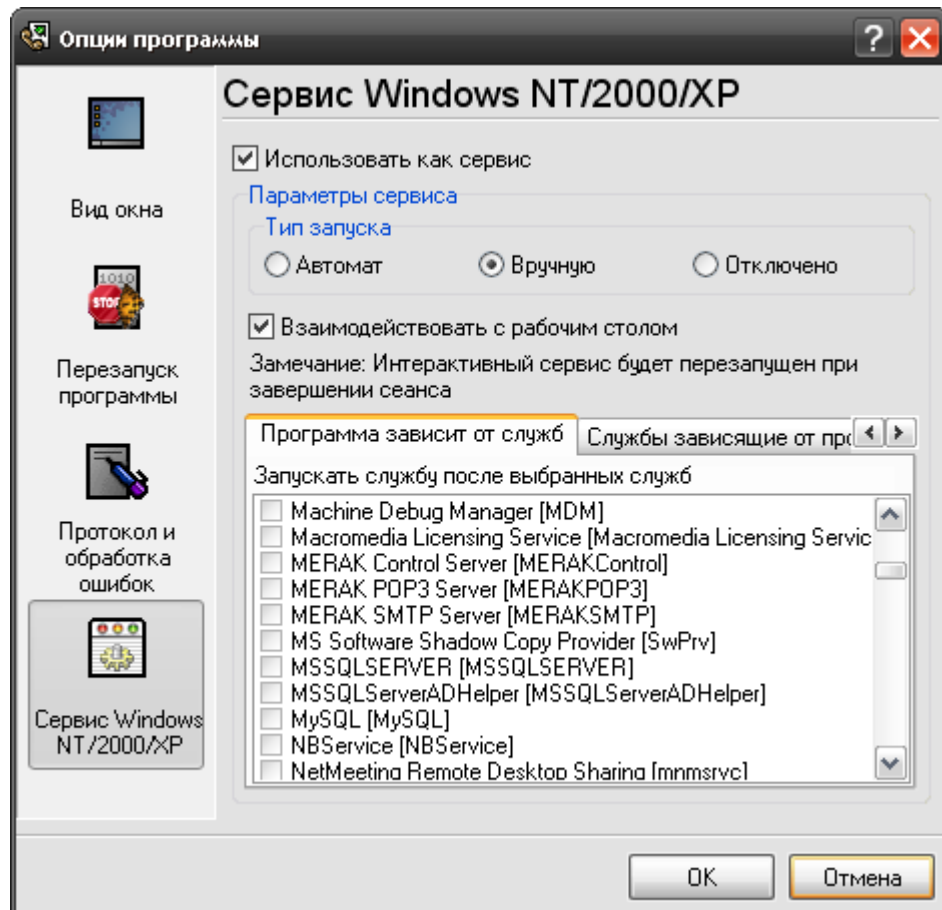
Windows NT/2000/XP :

- Windows NT 4.0;
- (Windows
- 2000);
- Windows 2000 (
- - (
-);
-

:

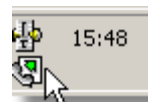
).

Windows NT/2000/XP" (.1).



.1

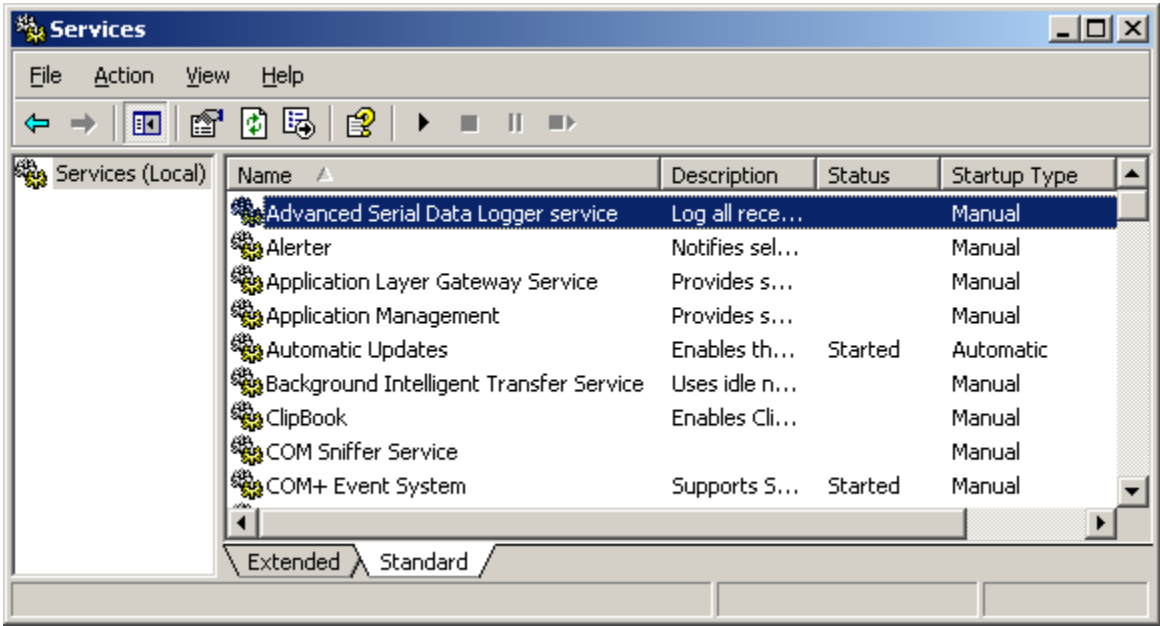
1. - ; Windows
 2. - ;
 3. - ;
- " ;
- " (.2).
- " , . . Windows



.2

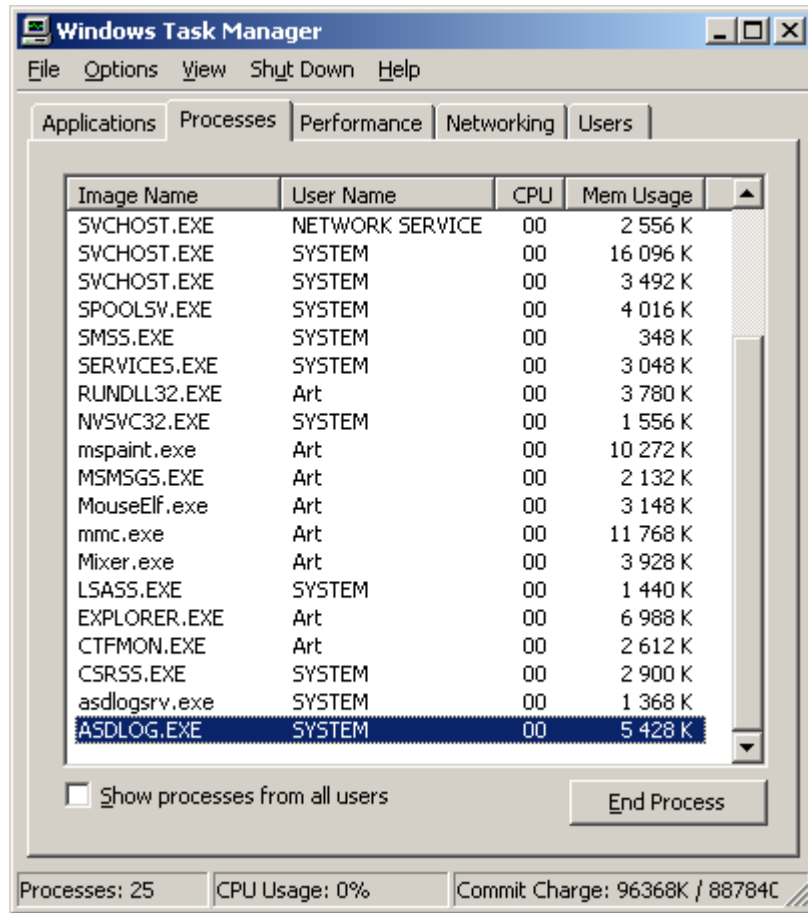
- COM- ,
- Serial Printer Logger " ,
- " (.1) ,

" " (.3).



.3 (Windows 2000)

sprnlogger.exe (.4).
Serial Printer Logger
Serial Printer Logger,
svany.exe
2 - sprnloggersrv.exe



.4

sprnloggersrv.exe

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

4.8.2

Windows Vista

Windows Vista

4.10

Windows. / COM-

5 ?

5.1

Softlce -

support@aggsoft.ru

5.2

(FAQ)

: COM- ?
 : ' - ().
 DOS , .
 : ?
 : , (DOS
 DOS).
 COM
 : 9
 ?
 : , Windows
 : : DB25 DB9?
 :
 : DB25 - COM2, DB9 - COM1
 : - ?
 : .

RXD	<-->	TXD
TXD	<-->	RXD
GND	<-->	GND

