1288 9

4849 14-17

“ ”

TC

TC TP TE TLog TTS

TC CAN/CANFD LIN

FlexRay Ethernet

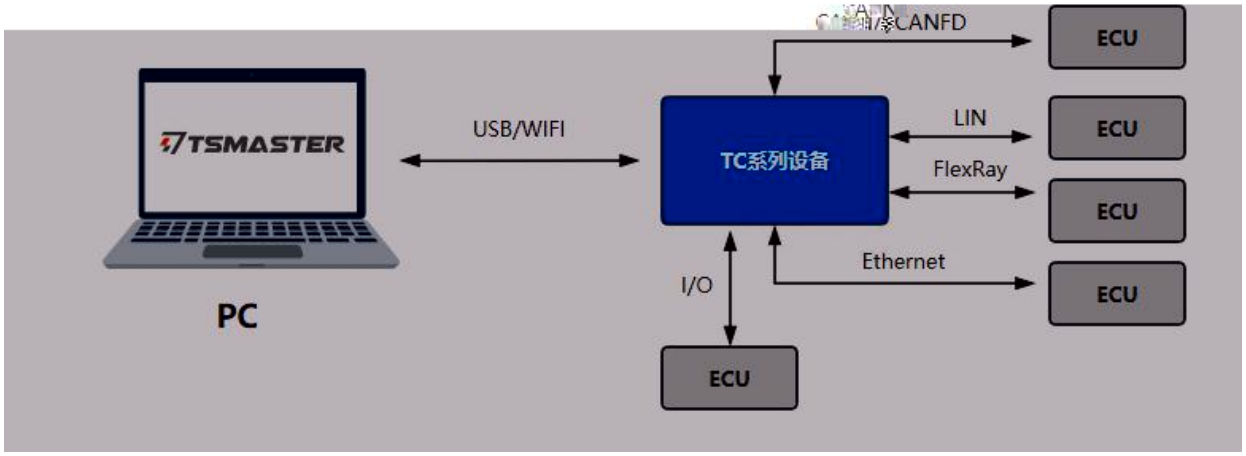
TC

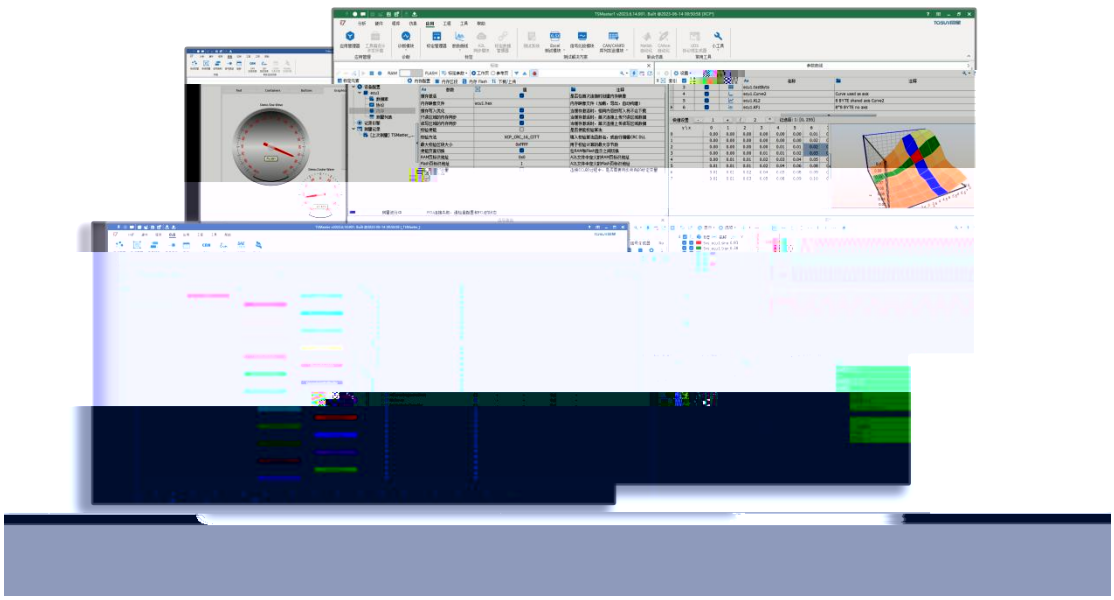
TC1001	TC1011	TC1012(P)	TC1013

TC

TC USB WiFi PC PC TSMaster

ECU CAN/CANFD LIN FlexRay Ethernet I/O





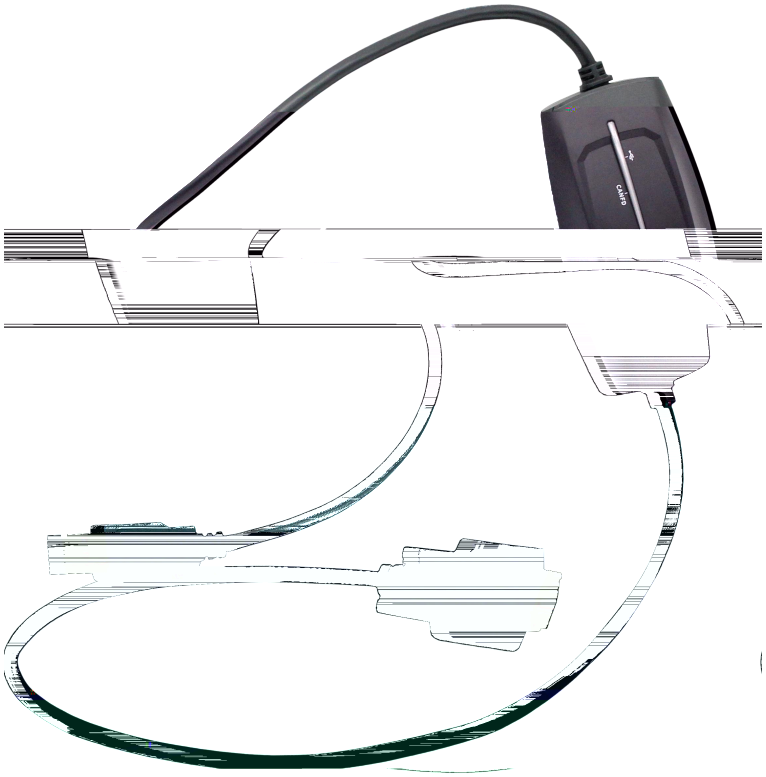
EMC	*	*
	5V USB	5V USB + 12V DC
	94*48*24 mm	94*48*24 mm
	116 g	116 g

*

CANFD 8Mbps

18000fps

USB2.0 PC




TOSUN
TC1012P

	TC1014	TC1016P	TC1017	TC1018	TC1026P
	4x CANFD	4x CANFD 2x LIN	8x CANFD	12x CANFD	1x CANFD 6x LIN
	CAN 125k-1Mbps CANFD 8Mbps	CAN 125k-1Mbps CANFD 8Mbps LIN 0-20Kbps	CAN 125k-1Mbps CANFD 8Mbps	CAN 125k-1Mbps CANFD 8Mbps	CAN 125k-1Mbps CANFD 8Mbps LIN 0-20Kbps
(CAN)	20000fps	20000fps	20000fps	20000fps	20000fps
PC	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	2x DB9	3x DB9	DB37	DB37	3x DB9
	2500V	2500V	2500V	2500V	2500V
EMC	ESD ±4kV ±8kV EFT ±2kV Surge ±2kV	ESD ±4kV ±8kV EFT ±2kV Surge *	ESD ±4kV ±8kV EFT ±2kV Surge *	ESD ±4kV ±8kV EFT ±2kV Surge *	ESD ±4kV ±8kV EFT ±2kV Surge *
	5V USB	5V USB + 12V DC	5V USB + 12V DC	5V USB + 12V DC	5V USB + 12V DC

	108*91*35mm	108*91*35mm	108*88*35mm	108*88*35mm	108*91*35mm
	234g	248g	258g	263g	254g

*

us

ldf dbc a2l blf asc arxml

Windows Linux

TC1034

	TC1034
	2x CANFD 2x FlexRay
	CAN 125k-1Mbps CANFD 8Mbps
(CAN)	20000fps
PC	USB 2.0
	2x DB9

	2500V
EMC	ESD ±4kV ±8kV EFT ±4kV Surge *
	5V USB
	108*88*35mm
	262g

*

CANFD/FlexRay

FlexRay

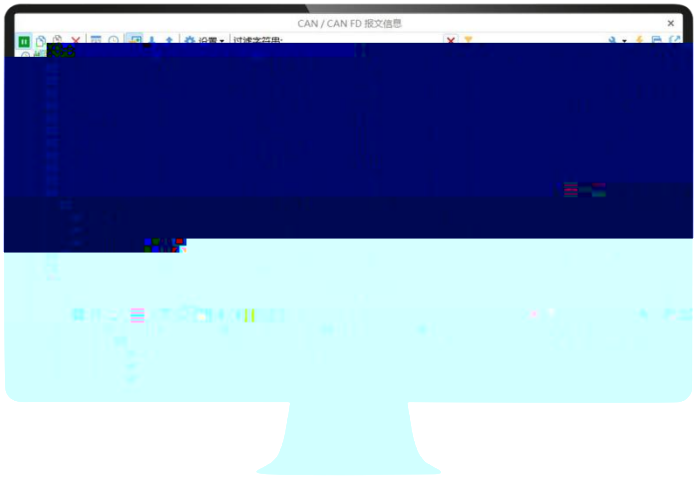
CAN CAN

DB9

DB9

TCA00011 CAN

	76*38*25mm
	71g
	± 2KV



TSMaster / / / /

-

- DBC LDF XML ARXML

- BLF ASC

-

-

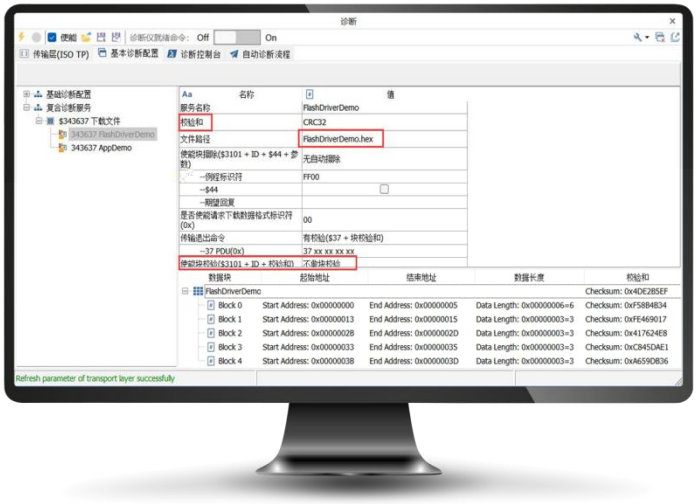
DBC ID

-

Y

TSMaster CAN LIN FlexRay HIL ECU TSMaster Panel

- CAN
- LIN
- J1939
- FlexRay



ECU

UDS

- TesterPresent SeedKey DLL SeedKey

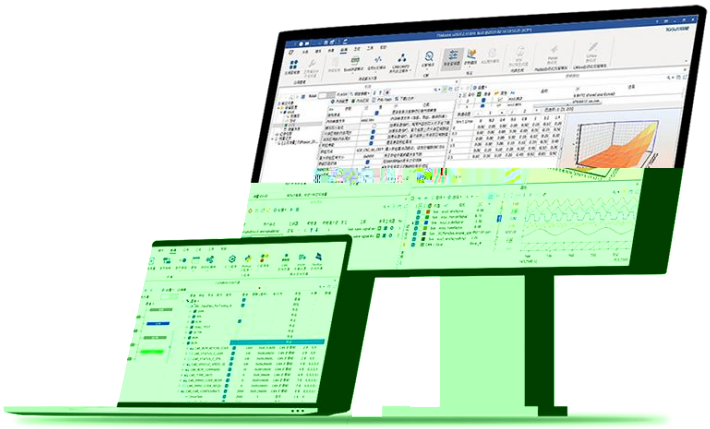
  SeedKey

-

-

-

  Flash Bootloader



CCP CAN Controller Area Network ECU

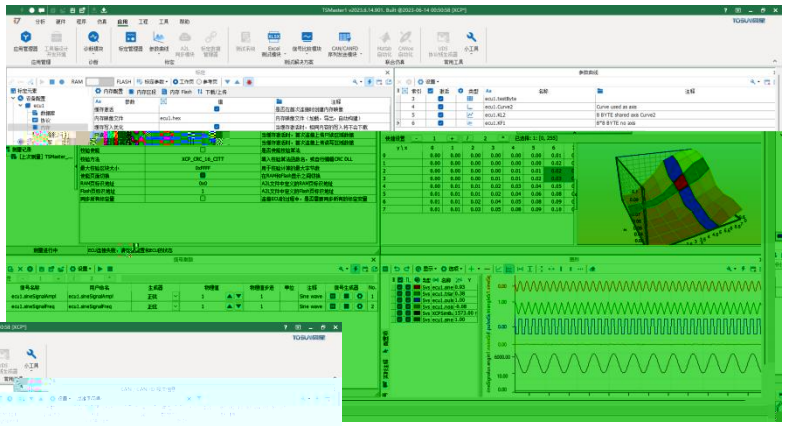
ECU

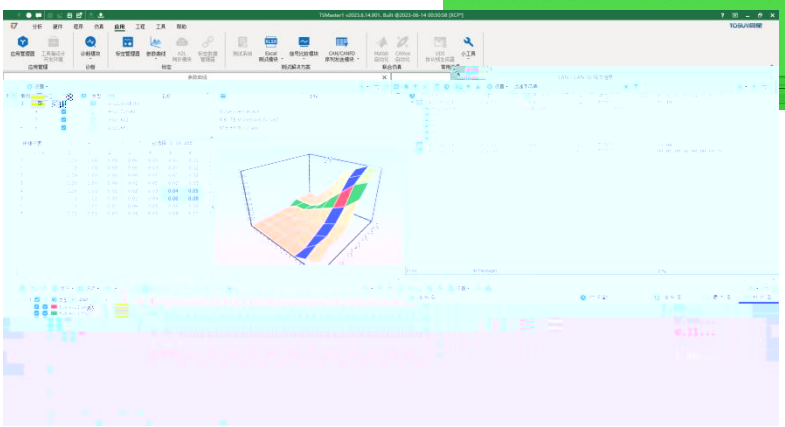
XCP CAN Ethernet

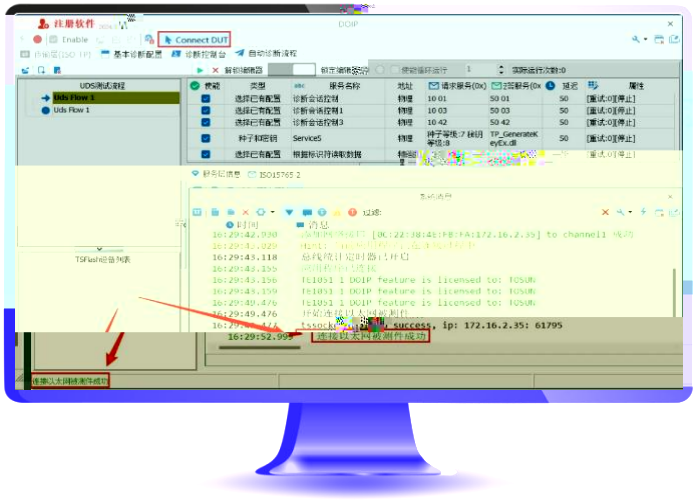
ECU ECU

CCP XCP ECU

- A2L
- DAQ/Polling
-
- MAP
- MDF/MF4
-
- par hex
-
-
-







Diagnostics over Internet Protocol DoIP

DoIP

DoIP

-

-

-

DoIP

-

- TSMaster

- DoIP TE1051 TC1051 TC1054

API TSCAN API

- libTSCAN API C#
- libTSCAN API C C++
- libTSCAN API Python
- ...

TOSUN-TC1001 _V1.0.0

TC1011 1 CANFD USB

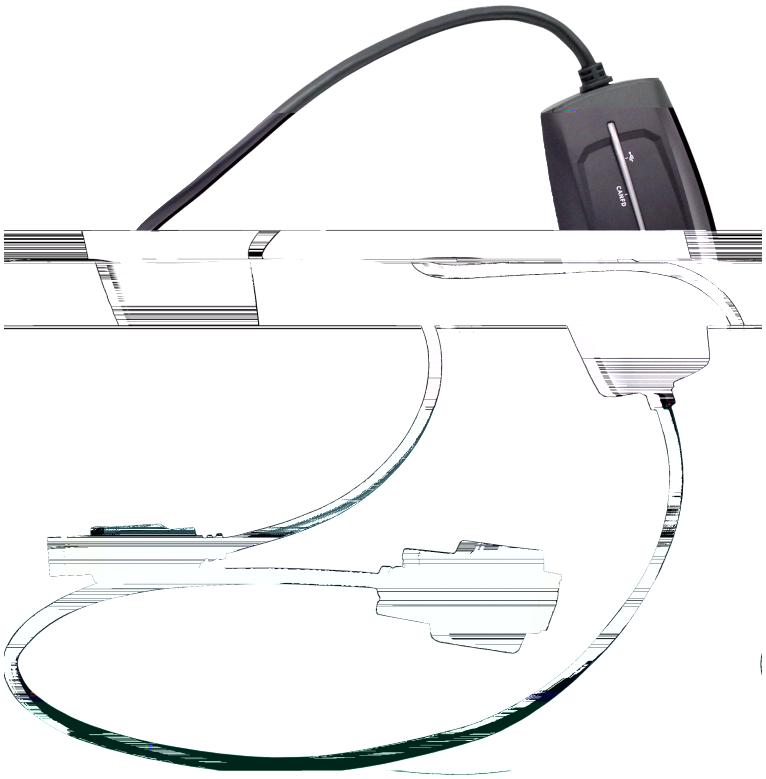
8 Mbps USB2.0 PC Windows Linux

TSMaster DBC ARXML

CAN FD UDS ECU CCP/XCP

Windows Linux API C++ C# LabView

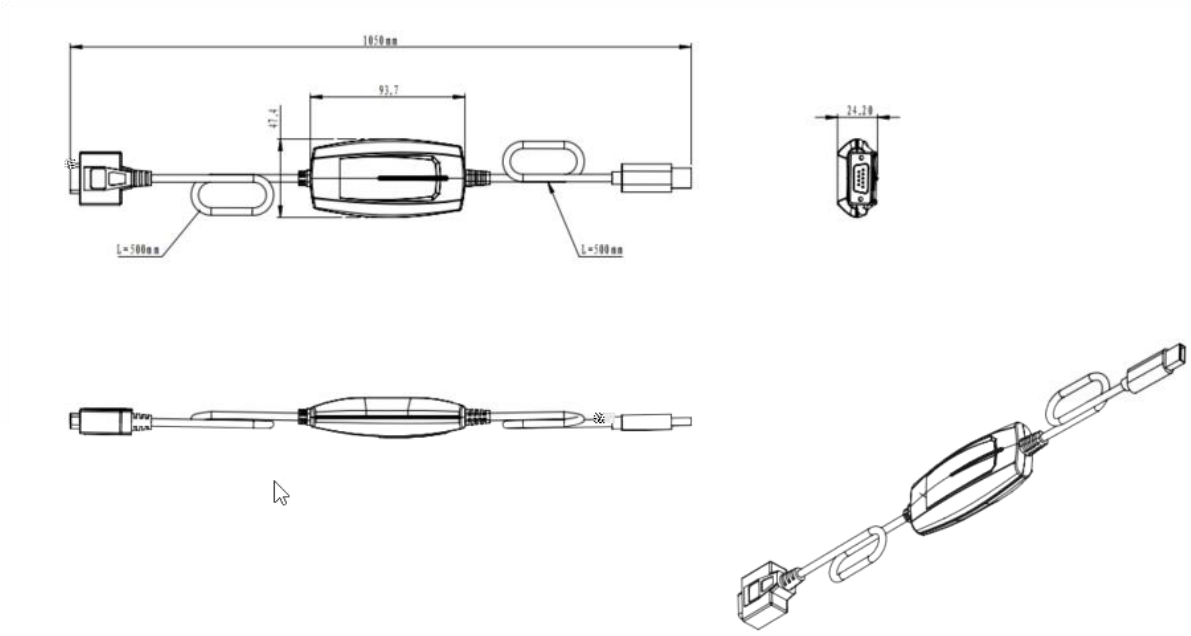
Python



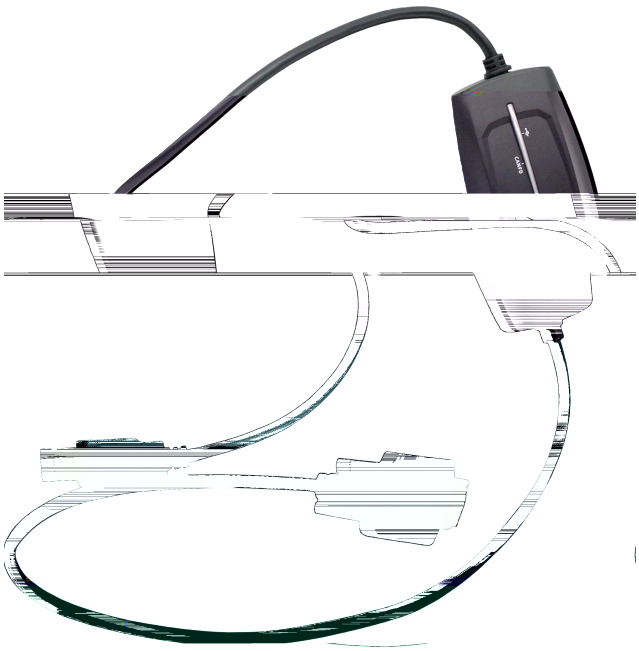
- ✓
- ✓
- ✓ USB 2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓ Windows Linux
- ✓ 120
- ✓ TSMaster license

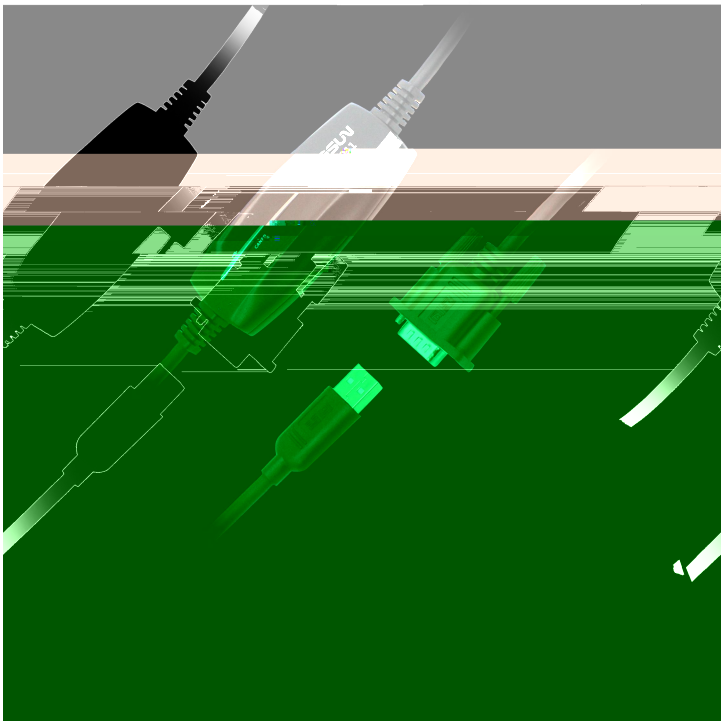
	1 *CANFD
PC	USB2.0
CAN	DB9
	Windows Linux
	1000 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
	1us
	120
*	18000 /
*	18000 /
	CAN DC2500V
	USB
	1W
	94*48*24mm
	116 g
	-40 80
	10% 90%

	USB	CAN	4.8	5.0	5.2	V
	USB	CAN	--	0.2	--	A
	USB	CAN	--	1.0	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC



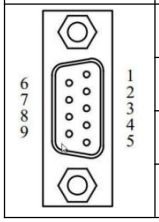
✓ TC1011

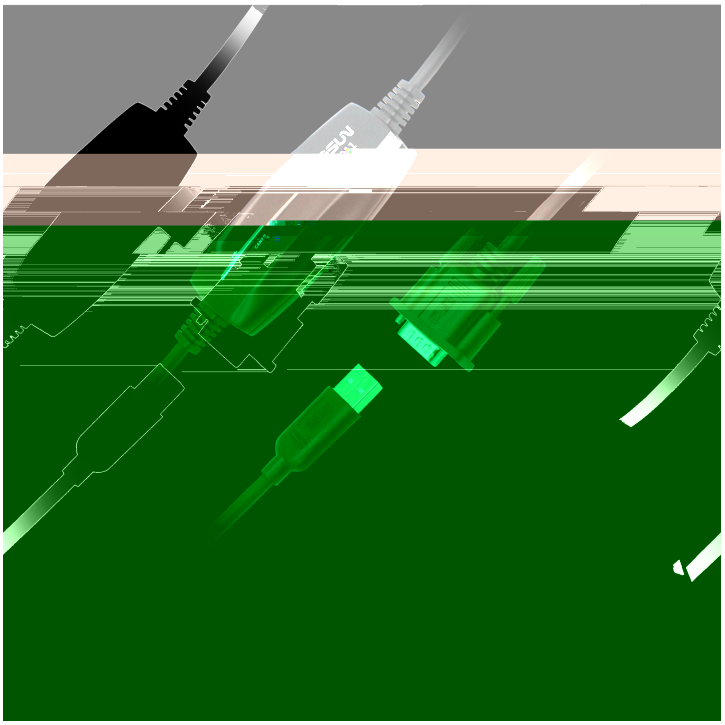




- USB2.0

- DB9 Male

DB9		
	PIN2	CANFD_Low
	PIN3	CANFD_GND
	PIN5	CANFD_Shield
	PIN7	CANFD_High



CANFD	CAN
LINK	

LINK	
CANFD	CANFD
CANFD	CANFD

1.TCA00011 CAN

TC1012P 1 CANFD /1 LIN USB

CANFD 8M bps LIN 0~20Kbps USB2.0

PC Windows Linux

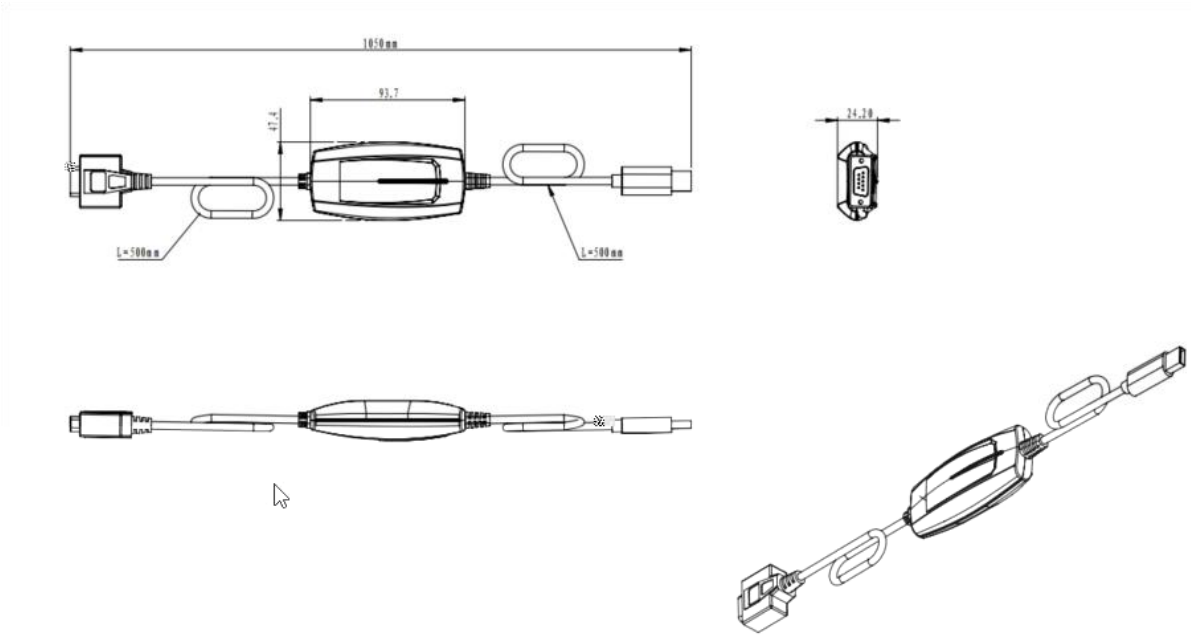
TSMaster DBC ARXML

- ✓
- ✓
- ✓ USB2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ LIN
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓ Windows Linux
- ✓ 120
- ✓ TSMaster license

	1 *CANFD / 1 *LIN
PC	USB2.0
CAN/LIN	DB9
	Windows Linux
	1000 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
LIN	LIN1.3 LIN2.0 0-20Kbps
	LDF
	1us
	120
*	18000 /
*	18000 /
	CAN DC2500V
	USB LIN
	1.5W
	94*48*24 mm
	116 g
	-40 80

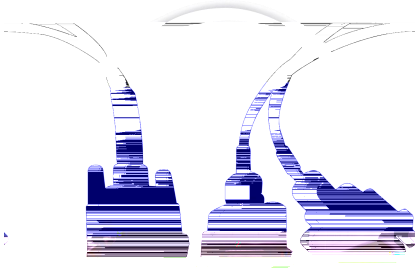
	10% 90%

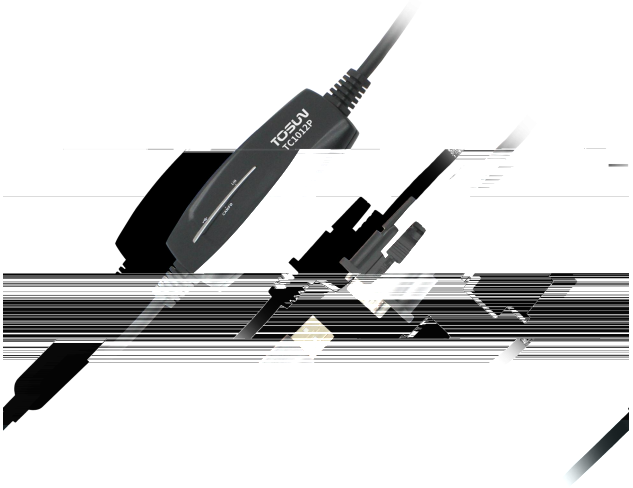
	USB	CAN LIN	4.8	5.0	5.2	V
	DC	CAN LIN	9	12.0	36	V
	USB	CAN LIN	--	0.23	--	A
	DC	CAN LIN	--	0.003	--	A
	USB/DC	CAN LIN	--	1.2	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
LIN		LIN1	-40	--	40	V



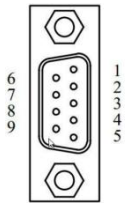
✓ TC1012P

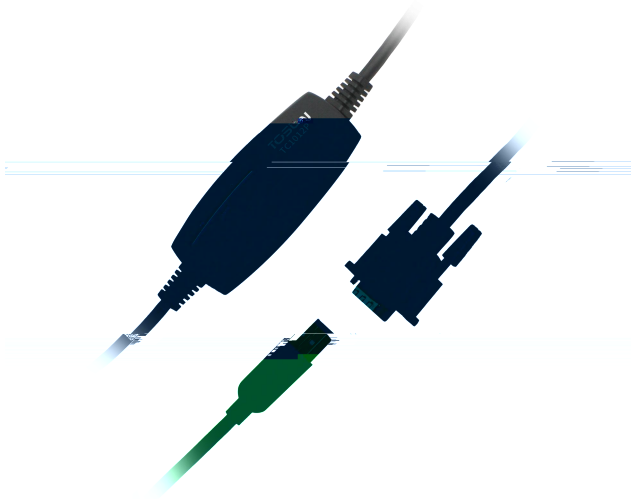
✓ DB9 CAN/LIN





- USB2.0
- DB9 Male

DB9		
	PIN2	CANFD_Low
	PIN3	GND
	PIN5	Shield
	PIN7	CANFD_High
	PIN8	LIN
	PIN9	VBAT_LIN



CANFD	CANFD
LIN	LIN
LINK	

LINK	
LIN	LIN
LIN	LIN
CANFD	CANFD
CANFD	CANFD

1.TCA00011　CAN

TOSUN-TC1013 _V1.0.0

TC1014 4 CANFD USB 8 Mbps

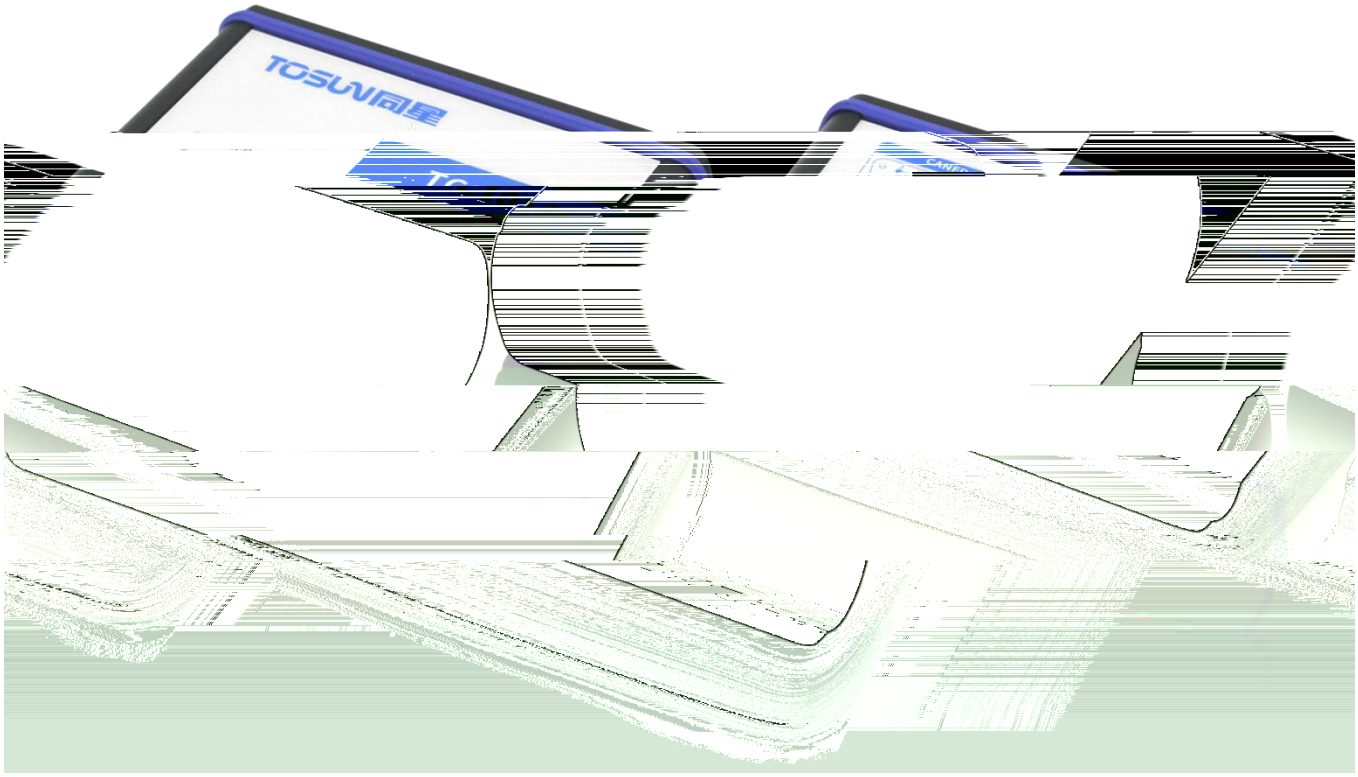
USB2.0 PC Windows Linux

TSMaster DBC ARXML

CAN FD UDS ECU CCP/XCP

Windows Linux API C++ C# LabView

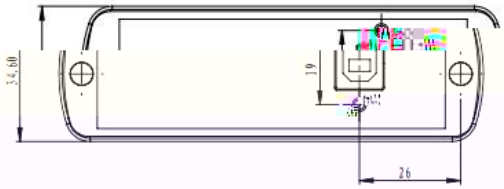
Python

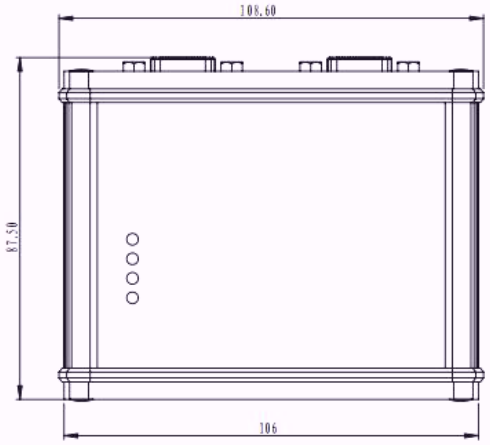


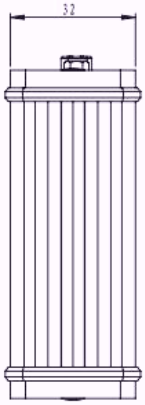
- ✓ us
- ✓ USB2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc arxml
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓
- ✓ Windows Linux
- ✓ 120
- ✓ TSMaster License

	4 *CANFD
PC	USB2.0
CAN	DB9
	Windows Linux
	1000 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
	1us
	120
*	20000 /
*	20000 /
	CAN DC2500V ±4KV ±8KV
	USB
	2.5W
	108*88*35mm
	234g / 605g
	-40 80
	10% 90%

	USB	CAN	4.8	5.0	5.2	V
	USB	CAN	--	0.5	--	A
	USB	CAN	--	2.5	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
EMC	ESD	IEC61000-4-2	4 8	--	--	kV
	EFT	IEC61000-4-4	2	--	--	kV
	Surge	IEC61000-4-5	2	--	--	kV





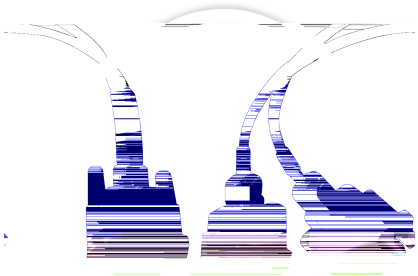


材质 Material	一般公差 General Tolerances	表面处理 Surface Treatment	工艺tech.
	IT12		

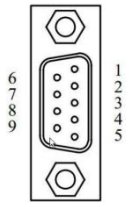
✓ TC1014

✓ USB

✓ 2*DB9 CAN



- USB2.0
- DB9 Male

DB9						
	CANFD 1/3	PIN2	CANFD1_Low	CANFD 2/4	PIN2	CANFD2_Low
		PIN3	CANFD_GND		PIN3	CANFD_GND
		PIN4	CANFD3_Low		PIN4	CANFD4_Low
		PIN5	CANFD_Shield		PIN5	CANFD_Shield
		PIN7	CANFD1_High		PIN7	CANFD2_High
		PIN8	CANFD3_High		PIN8	CANFD4_High

CANFD 1	CANFD 1
CANFD 2	CANFD 2
CANFD 3	CANFD 3
CANFD 4	CANFD 4
LINK	

LINK	
CANFD	CANFD
CANFD	CANFD

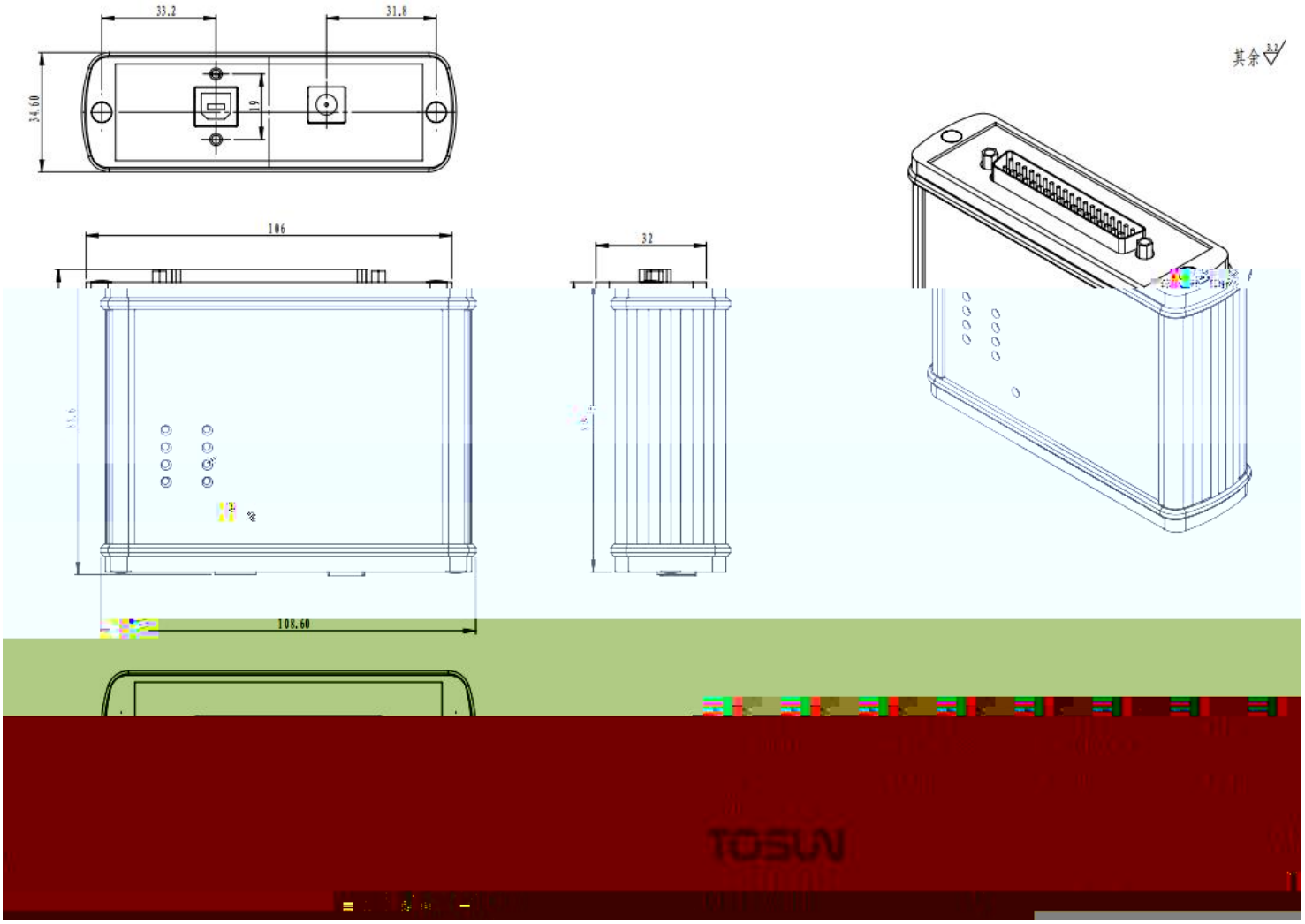
TOSUN-TC1016P _V1.0.0

TC1017 8 %

99

- ✓ CAN DC2500V
- ✓ dbc b asc arxml
- ✓ CAN 125Kbps-1Mbps CA 8Mbps
- ✓ blf a /
- ✓ UDS C
- ✓ DS Flash B

	USB	CAN	4.8	5.0	5.2	V
	DC	CAN	7	12.0	18	V
	USB	CAN	--	0	--	A
	DC	CAN	--	0.29	--	A
	USB/DC	CAN	--	3.5	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
EMC	ESD	IEC61000-4-2	4 8	--	--	kV
	EFT	IEC61000-4-4	2	--	--	kV

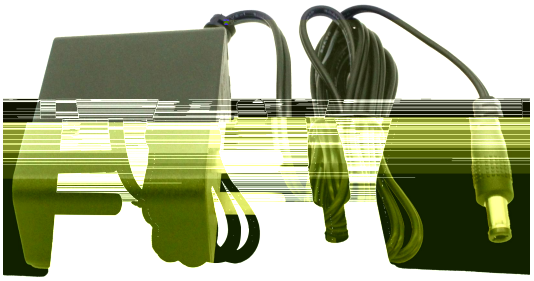

33.2
31.8
34.60
19
其余
106
32
108.60

✓ TC1017

✓ USB

✓ DB37 8 DB9

✓ 12V2A



- USB2.0
- DC
- DB37 Male

PIN20	CANFD1_HIGH	PIN1	CANFD1_LOW
PIN21	CANFD_SHIELD	PIN2	CANFD_GND
PIN22	CANFD2_HIGH	PIN3	CANFD2_LOW
PIN23	CANFD3_HIGH	PIN4	CANFD3_LOW
PIN24	CANFD_SHIELD	PIN5	CANFD_GND
PIN25	CANFD4_HIGH	PIN6	CANFD4_LOW
PIN26	CANFD5_HIGH	PIN7	CANFD5_LOW
PIN27	CANFD_SHIELD	PIN8	CANFD_GND
PIN28	CANFD6_HIGH	PIN9	CANFD6_LOW
PIN29	CANFD7_HIGH	PIN10	CANFD7_LOW
PIN30	CANFD_SHIELD	PIN11	CANFD_GND
PIN31	CANFD8_HIGH	PIN12	CANFD8_LOW

CANFD 1	CANFD 1
CANFD 2	CANFD 2
CANFD 3	CANFD 3
CANFD 4	CANFD 4
CANFD 5	CANFD 5
CANFD 6	CANFD 6
CANFD 7	CANFD 7
CANFD 8	CANFD 8
LINK	

LINK	
CANFD	CANFD
CANFD	CANFD

1.TCA00011　CAN

TC1018 12 CANFD USB 8 Mbps

USB2.0 PC Windows Linux

TSMaster DBC ARXML

CAN FD UDS ECU CCP/XCP

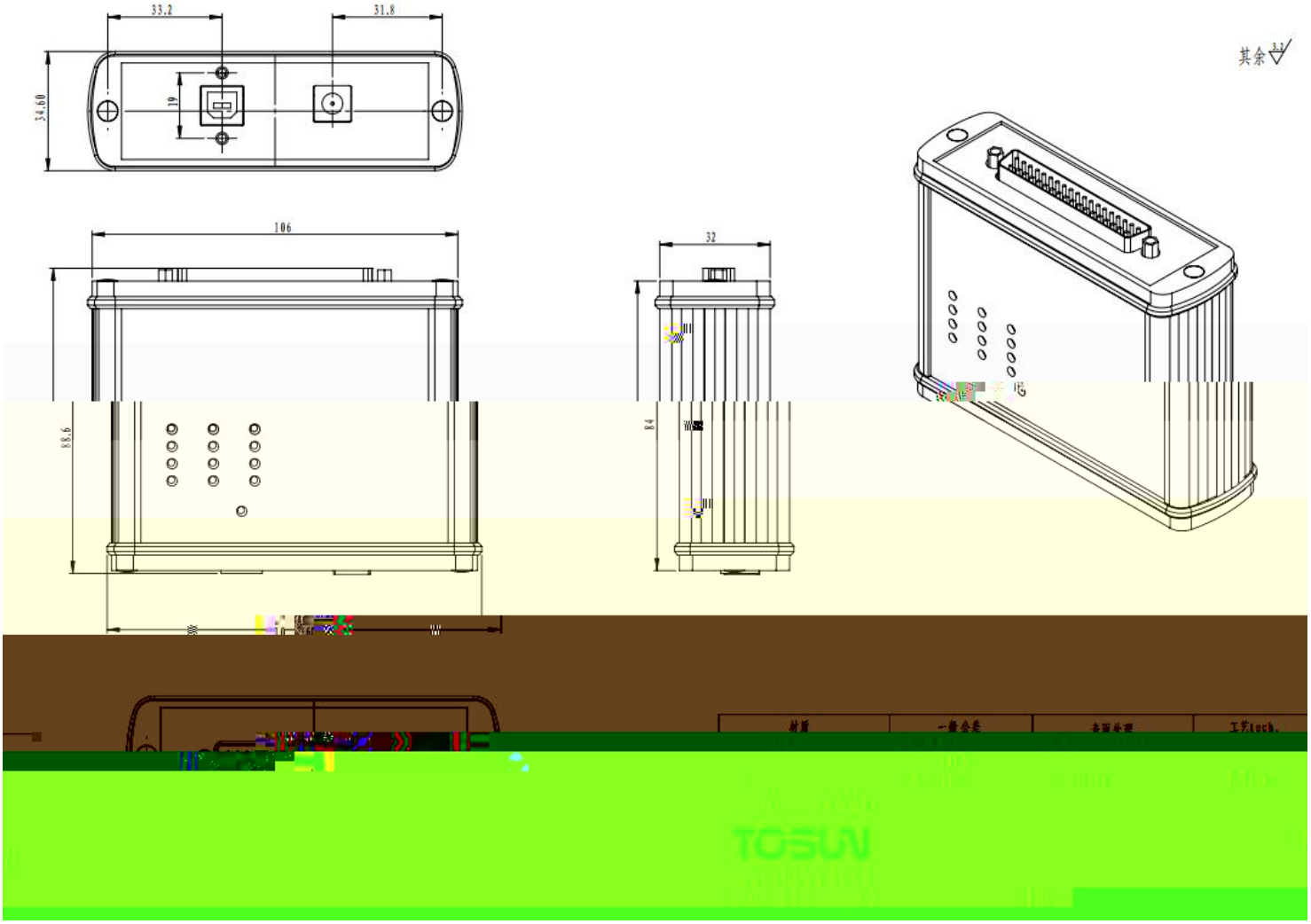
Windows Linux API C++ C# LabView

Python

- ✓ us
- ✓ USB2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc arxml
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓
- ✓ Windows Linux
- ✓ 120
- ✓ TSMaster License

	12 *CANFD
PC	USB2.0
CAN	DB37
	Windows Linux
	700 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
	1us
	120
*	20000 /
*	20000 /
	CAN DC2500V ±4KV ±8KV
	USB +DC (7-18V)
	5W
	108*88*35mm
	263g / 1068g
	-40 75
	10% 90%

	USB	CAN	4.8	5.0	5.2	V
	DC	CAN	7	12.0	18	V
	USB	CAN	--	0	--	A
	DC	CAN	--	0.33	--	A
	USB/DC	CAN	--	4.0	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
EMC	ESD	IEC61000-4-2	4 8	--	--	kV
	EFT	IEC61000-4-4	2	--	--	kV

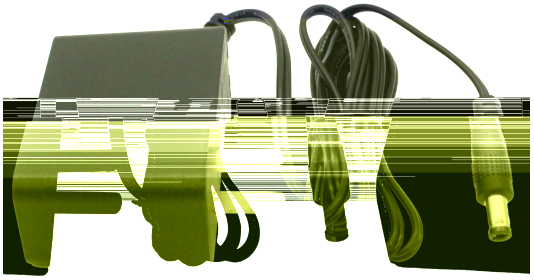

33.2
31.8
34.60
19
106
88.6
32
84
其余

✓ TC1018

✓ USB

✓ DB37 12 DB9

✓ 12V2A



- USB2.0
- DC
- DB37 Male

PIN20	CANFD1_HIGH	PIN1	CANFD1_LOW
PIN21	CANFD_SHIELD	PIN2	CANFD_GND
PIN22	CANFD2_HIGH	PIN3	CANFD2_LOW
PIN23	CANFD3_HIGH	PIN4	CANFD3_LOW
PIN24	CANFD_SHIELD	PIN5	CANFD_GND
PIN25	CANFD4_HIGH	PIN6	CANFD4_LOW
PIN26	CANFD5_HIGH	PIN7	CANFD5_LOW
PIN27	CANFD_SHIELD	PIN8	CANFD_GND
PIN28	CANFD6_HIGH	PIN9	CANFD6_LOW
PIN29	CANFD7_HIGH	PIN10	CANFD7_LOW
PIN30	CANFD_SHIELD	PIN11	CANFD_GND
PIN31	CANFD8_HIGH	PIN12	CANFD8_LOW
PIN32	CANFD9_HIGH	PIN13	CANFD9_LOW
PIN33	CANFD_SHIELD	PIN14	CANFD_GND
PIN34	CANFD10_HIGH	PIN15	CANFD10_LOW
PIN35	CANFD11_HIGH	PIN16	CANFD11_LOW
PIN36	CANFD_SHIELD	PIN17	CANFD_GND
PIN37	CANFD12_HIGH	PIN18	CANFD12_LOW
		PIN19	CANFD_GND

CANFD 1	CANFD 1
CANFD 2	CANFD 2
CANFD 3	CANFD 3
CANFD 4	CANFD 4
CANFD 5	CANFD 5
CANFD 6	CANFD 6
CANFD 7	CANFD 7
CANFD 8	CANFD 8
CANFD 9	CANFD 9
CANFD 10	CANFD 10
CANFD 11	CANFD 11
CANFD 12	CANFD 12
LINK	

LINK	

CANFD	CANFD
CANFD	CANFD

1.TCA00011 CAN

TOSUN-TC1026 _V1.1.0

TOSUN-TC1034 _V1.3.0

TC1113B CANFD CANFD
8M bps USB2.0 PC OBD WIFI Windows
Linux

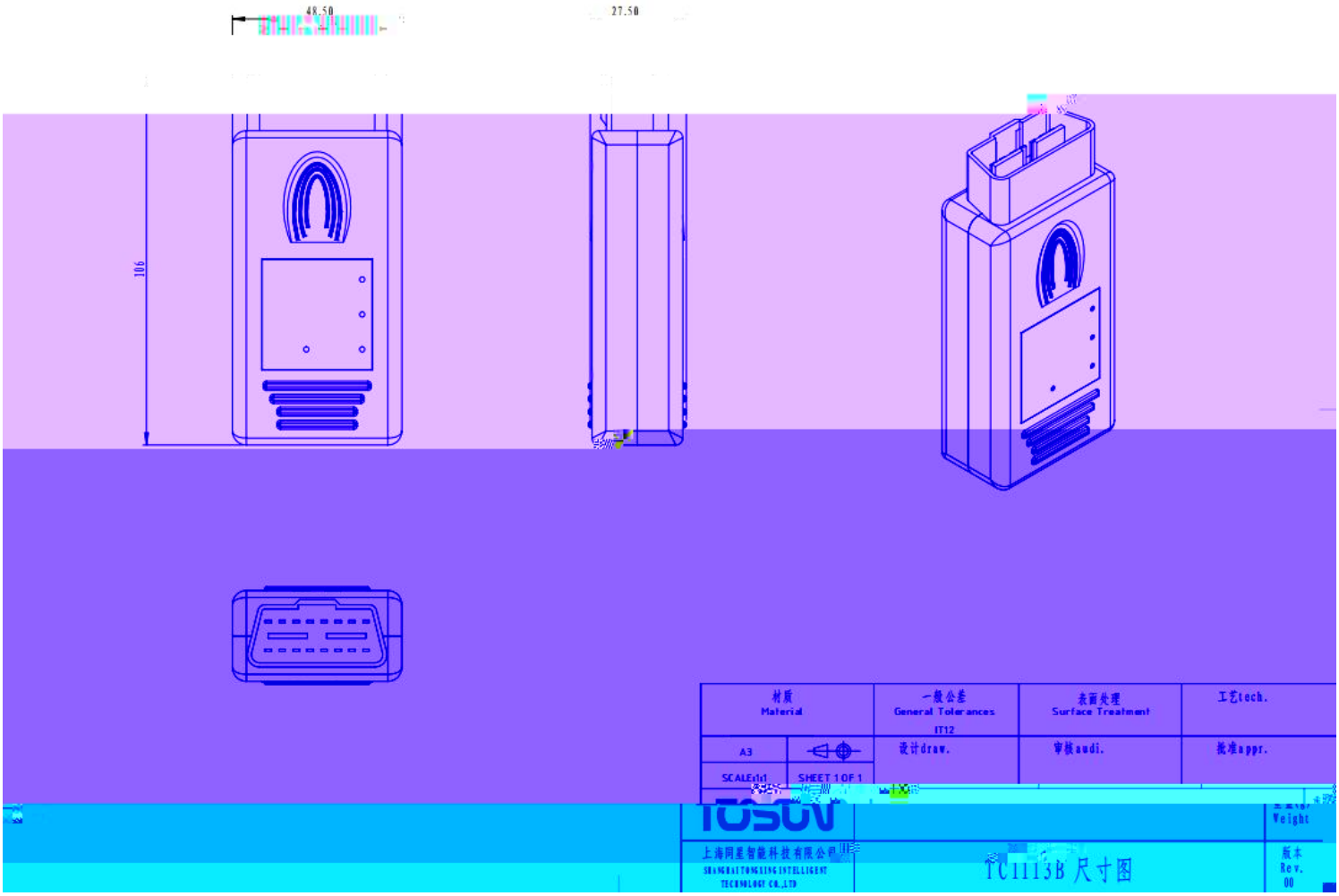
TSMaster DBC ARXML
CAN FD UDS ECU WIFI

Windows Linux API C++ C# LabView
Python

- ✓ us
- ✓ USB2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc arxml
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓
- ✓ Windows Linux
- ✓ 120
- ✓ WIFI

	2 *CANFD
PC	USB2.0/WIFI
CAN	OBD
	Windows Linux
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
	1us
	120
*	20000 / USB
*	20000 / USB
	CAN DC2500V
	USB DC (9-32V)
	3W
	106*49*26mm
	77g / 295g
	-40 80
	10% 90%

	USB	CAN	4.8	5.0	5.2	V
	DC	CAN	9	12.0	32	V
	USB	CAN	--	0.26	--	A
	DC	CAN	--	0.21	--	A
	USB/DC	CAN	--	1.3/2.5	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC



材质 Material		一般公差 General Tolerances IT12	表面处理 Surface Treatment	工艺tech.
A3		设计draw.	审核audi.	批准appr.
SCALE:1:1	SHEET 1 OF 1			

TOSUN

上海同星智能科技有限公司
SHANGHAI TONGXING INTELLIGENT TECHNOLOGY CO.,LTD

TC1113B 尺寸图

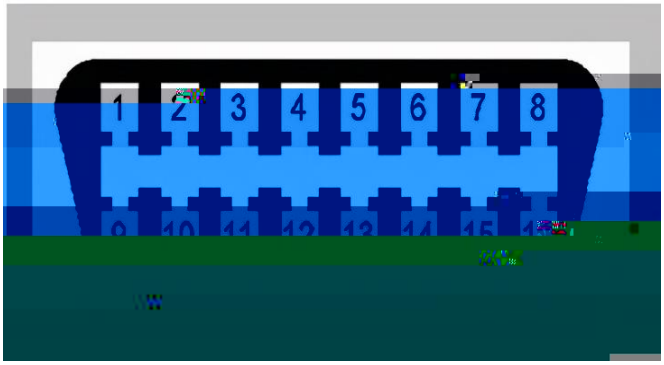
Weight

版本 Rev. 00

✓ TC1113B

✓ USB

- USB2.0
- OBD



OBD

CANFD1	PIN6	CANFD1_High	CANFD 2	PIN2	CANFD2_High
	PIN14	CANFD1_Low		PIN10	CANFD2_Low
	PIN16	VBat		PIN4	CANFD_GND

CANFD 1	CANFD 1
CANFD 2	CANFD 2
WIFI	WIFI
Power	

Power	
WIFI	WIFI
CANFD	CANFD
CANFD	CANFD

1.TCA00011 CAN

TC1114B CANFD CANFD
8M bps USB2.0 PC OBD WIFI Windows
Linux

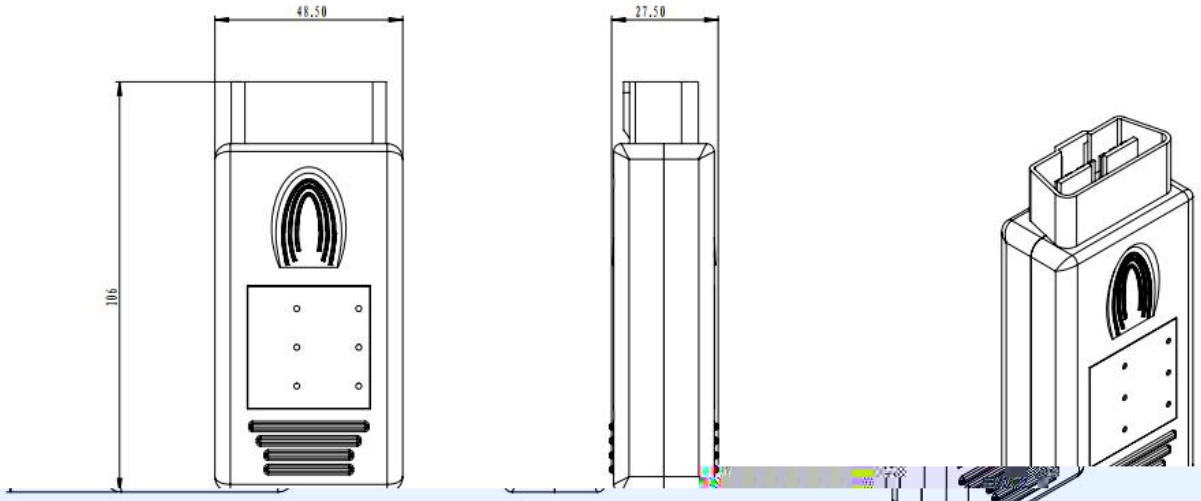
TSMaster DBC ARXML
CAN FD UDS ECU WIFI

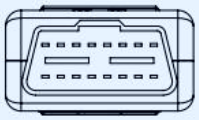
Windows Linux API C++ C# LabView
Python

- ✓ us
- ✓ USB2.0 Windows Linux
- ✓ CAN DC2500V
- ✓ dbc a2l blf asc arxml
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ blf asc /
- ✓ UDS CCP/XCP
- ✓ UDS Flash Bootloader
- ✓
- ✓ Windows Linux
- ✓ 120
- ✓ WIFI

	4 *CANFD
PC	USB2.0/WIFI
CAN	OBD
	Windows Linux
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
	1us
	120
*	20000 / USB
*	20000 / USB
	CAN DC2500V
	USB DC (9-32V)
	3W
	106*49*26mm
	77g / 295g
	-40 80
	10% 90%

	USB	CAN	4.8	5.0	5.2	V
	DC	CAN	9	12.0	32	V
	USB	CAN	--	0.3	--	A
	DC	CAN	--	0.21	--	A
	USB/DC	CAN	--	1.5/2.5	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC

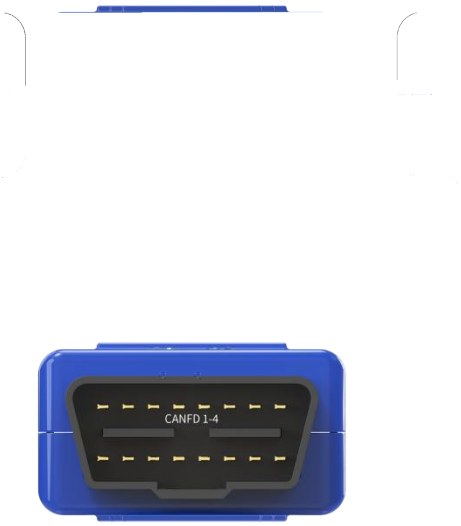




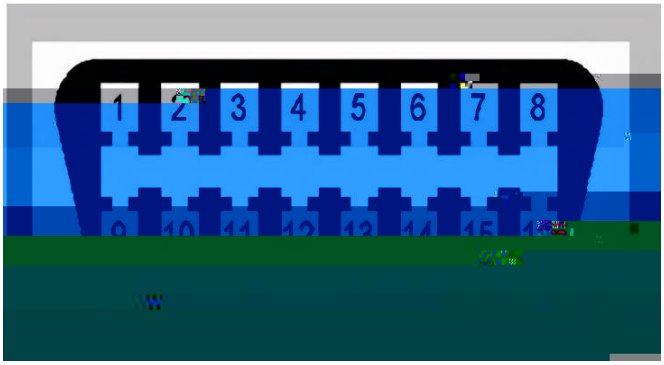
材质 Material	一般公差 General Tolerances IT12	表面处理 Surface Treatment	
A3	设计 draw.	审核 audi.	批准 appr.
SCALE:1:1 SHEET 1 OF 1			
TOSUN			重量(g) Weight
上海同星智能科技有限公司 SHANGHAI TONGXING INTELLIGENT TECHNOLOGY CO.,LTD	TC1114B 尺寸图		版本 Rev. 00

✓ TC1114B

✓ USB



- USB2.0
- OBD



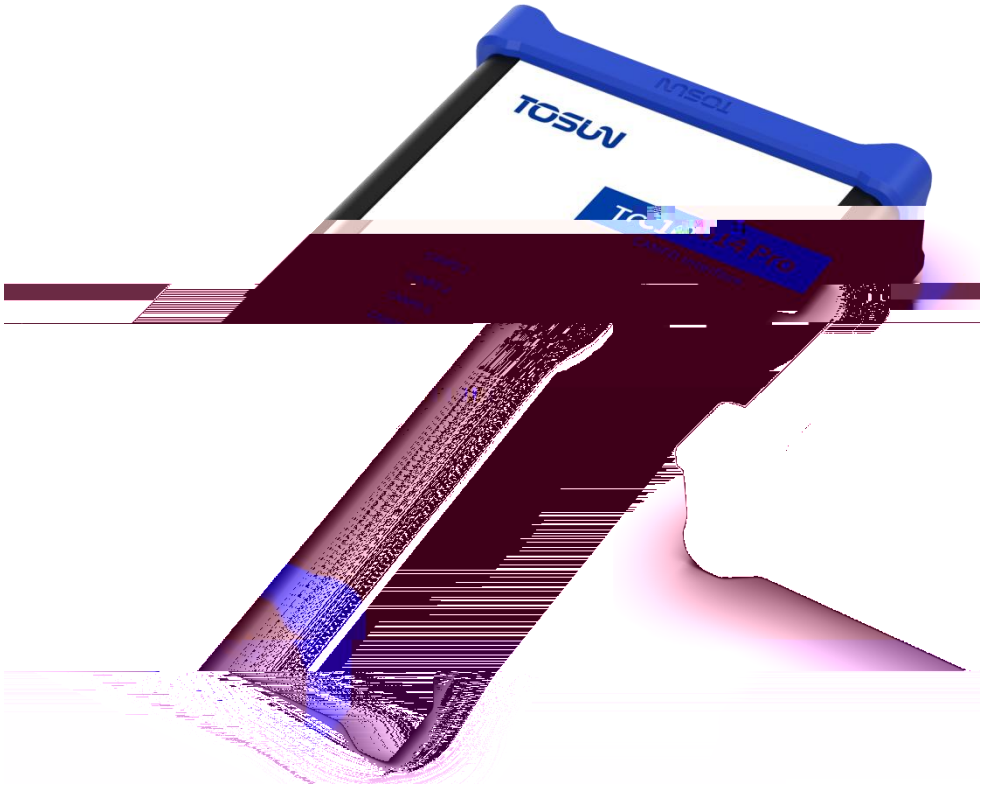
OBD

CANFD 1	PIN6	CANFD1_High	CANFD 2	PIN2	CANFD2_High
	PIN14	CANFD1_Low		PIN10	CANFD2_Low
CANFD 3	PIN1	CANFD3_High	CANFD 4	PIN3	CANFD4_High
	PIN9	CANFD3_Low		PIN11	CANFD4_Low
	PIN16	VBat		PIN4	CANFD_GND

CANFD 1	CANFD 1
CANFD 2	CANFD 2
CANFD 3	CANFD 3
CANFD 4	CANFD 4
WIFI	WIFI
Power	

Power	
WIFI	WIFI
CANFD	CANFD
CANFD	CANFD

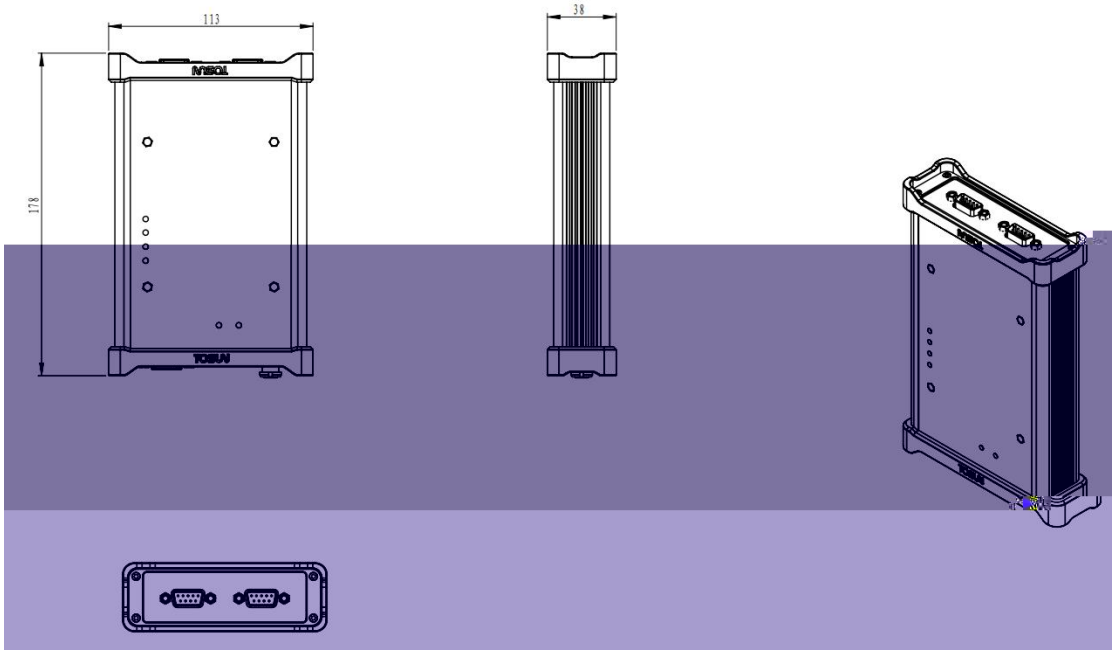
TC1014 Pro 4 CANFD I/O 8 Mbps USB2.0 PC Windows TSMaster DBC ARXML CAN FD UDS ECU CCP/XCP Windows Linux API C++ C# LabView Python



- ✓ us
- ✓ Windows Linux
- ✓ 4 CAN/CANFD
- ✓ DIDO *4 AIAO *3;
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ CAN 120Ω
- ✓ CAN Self-ACK
- ✓ BLF ASC /
- ✓
- ✓ API

	4*CANFD / 4*DIDO / 3*AIAO
PC	USB2.0
CANFD	DB9
	Windows Linux
	700 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
DIDO	DI 0-40V Vref:0-3.3V :VAH=(330+499*Vref)/1098; Val=0.455*Vref DO 0V 5V/12V
AIAO	AI 0-39V AO 0-30V
AI	1 1000HZ
AIAO	1%
	1us
	120
*	20000 /
*	20000 /
	CAN DC2500V ±8KV ±15KV
	9~32V DC
	4W/10W(DO PWM)
	178*113*38mm
	435g / 1333g
	-40 80
	10% 90%

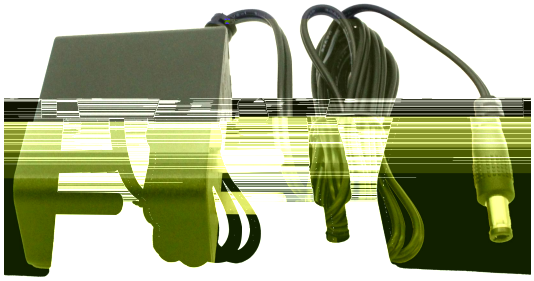
	DC	CAN	9	12	32	V
	DC	CAN	--	0.3	--	A
	DC	CAN	--	4	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
EMC	ESD	IEC61000-4-2	8 15	--	--	kV
	EFT	IEC61000-4-4	2	--	--	kV
	Surge	IEC61000-4-5	2	--	--	kV


113
38
178

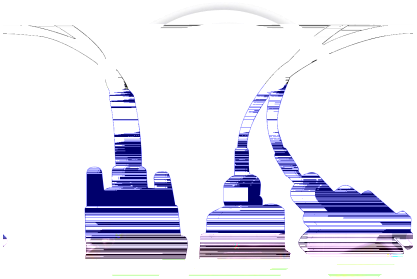
✓ TC1014 Pro

✓ USB

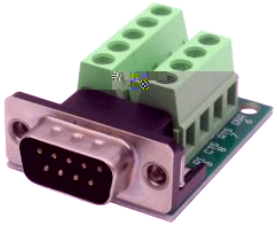
✓ 12V2A



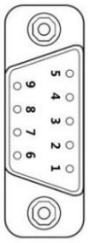
✓ 2*DB9 CAN



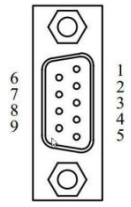
✓ DB9



- ( )
- USB2.0
-
- DB9 Female I/O ;

DB9			
	I/O	PIN1	DIDO_1
		PIN2	DIDO_3
		PIN3	DGND
		PIN4	AIAO_1
		PIN5	AIAO_3
		PIN6	DIDO_2
		PIN7	DIDO_4
		PIN8	AGND
		PIN9	AIAO_2

- DB9 Male CANFD ;

DB9						
	CANFD 1/3	PIN2	CANFD1_Low	CANFD 2/4	PIN2	CANFD2_Low
		PIN3	CANFD_GND		PIN3	CANFD_GND
		PIN4	CANFD3_Low		PIN4	CANFD4_Low
		PIN5	CANFD_Shield		PIN5	CANFD_Shield
		PIN7	CANFD1_High		PIN7	CANFD2_High
		PIN8	CANFD3_High		PIN8	CANFD4_High

CANFD 1-4	CANFD 1-4
DC 9-32V	
LINK	

CANFD	CANFD
CANFD	CANFD
DC 9-32V	
LINK	

1.

TC1018 Pro 12 CANFD I/O CAN 125Kbps-1Mbps CANFD 8Mbps USB2.0 PC Windows Linux TSMaster DBC ARXML CAN FD UDS ECU CCP/XCP Windows Linux API C++ C# LabView Python

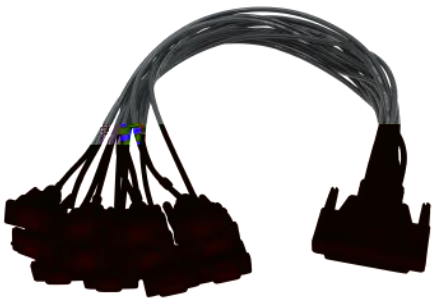
- ✓ us
- ✓ Windows Linux
- ✓ 12 CAN/CANFD
- ✓ DIDO *4 AIAO *3;
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ CAN 120Ω
- ✓ CAN Self-ACK
- ✓ BLF ASC /
- ✓
- ✓ API

	12*CANFD / 4*DIDO / 3*AIAO
PC	USB2.0
CANFD	DB9
	Windows Linux
	700 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
DIDO	DI 0-40V Vref:0-3.3V :VAH=(330+499*Vref)/1098; Val=0.455*Vref DO 0V 5V/12V
AIAO	AI 0-39V AO 0-30V
AI	1~1000HZ
AIAO	1%
	1us
	120
*	20000 /
*	20000 /
	CAN DC2500V ±4KV ±15KV
	9~32V DC
	6W/12W(DO PWM)
	178*113*38mm
	435g / 1542g
	-40 80
	10% 90%

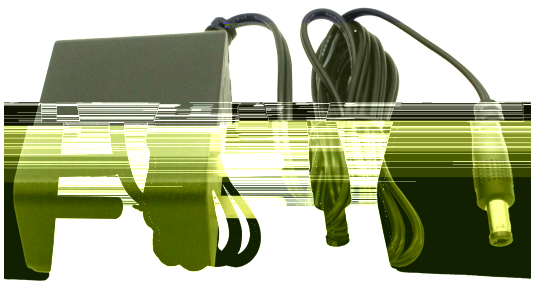
✓ TC1018 Pro

✓ USB

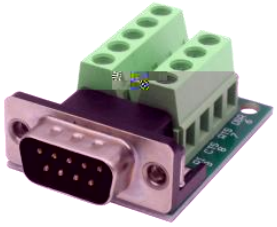
✓ DB37 12



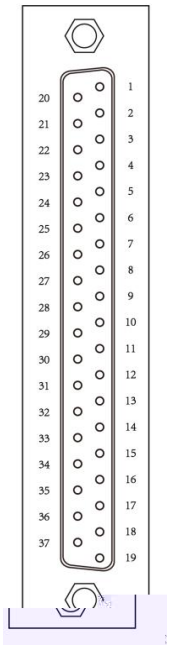
✓ 12V2A



✓ DB9



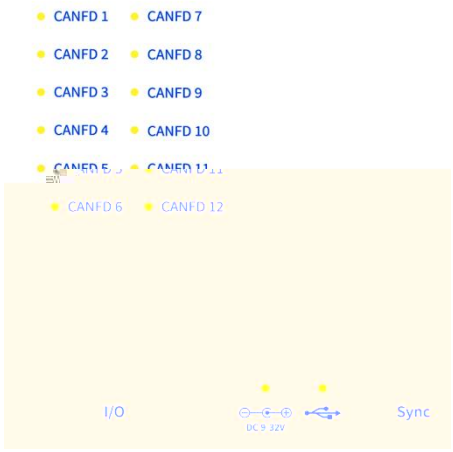
➢ DB37 Male CAN/CANFD

DB9					
	I/O	PIN20	CANFD1_HIGH	PIN1	CANFD1_LOW
		PIN21	CANFD_SHIELD	PIN2	CANFD_GND
		PIN22	CANFD2_HIGH	PIN3	CANFD2_LOW
		PIN23	CANFD3_HIGH	PIN4	CANFD3_LOW
		PIN24	CANFD_SHIELD	PIN5	CANFD_GND
		PIN25	CANFD4_HIGH	PIN6	CANFD4_LOW
		PIN26	CANFD5_HIGH	PIN7	CANFD5_LOW
		PIN27	CANFD_SHIELD	PIN8	CANFD_GND
		PIN28	CANFD6_HIGH	PIN9	CANFD6_LOW
		PIN29	CANFD7_HIGH	PIN10	CANFD7_LOW
		PIN30	CANFD_SHIELD	PIN11	CANFD_GND
		PIN31	CANFD8_HIGH	PIN12	CANFD8_LOW
		PIN32	CANFD9_HIGH	PIN13	CANFD9_LOW
		PIN33	CANFD_SHIELD	PIN14	CANFD_GND
		PIN34	CANFD10_HIGH	PIN15	CANFD10_LOW
		PIN35	CANFD11_HIGH	PIN16	CANFD11_LOW
		PIN36	CANFD_SHIELD	PIN17	CANFD_GND
		PIN37	CANFD12_HIGH	PIN18	CANFD12_LOW
				PIN19	CANFD_GND

TOSUN

TC1018 Pro

CANFD Interface



CANFD 1-12	CANFD 1-12
DC 9-32V	
LINK	

CANFD	CANFD
CANFD	CANFD
DC 9-32V	
LINK	

1.

TC1034 Pro+ 2 CANFD 2 FlexRay I/O

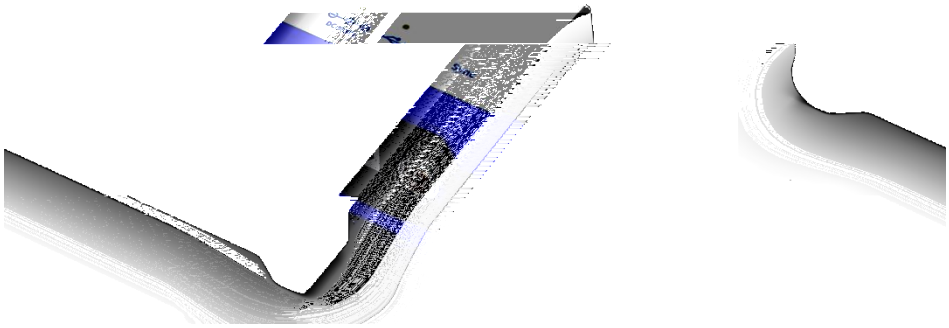
CANFD 8 Mbps USB2.0 PC Windows

TSMaster DBC ARXML

CAN FD UDS ECU CCP/XCP

Windows Linux API C++ C# LabView

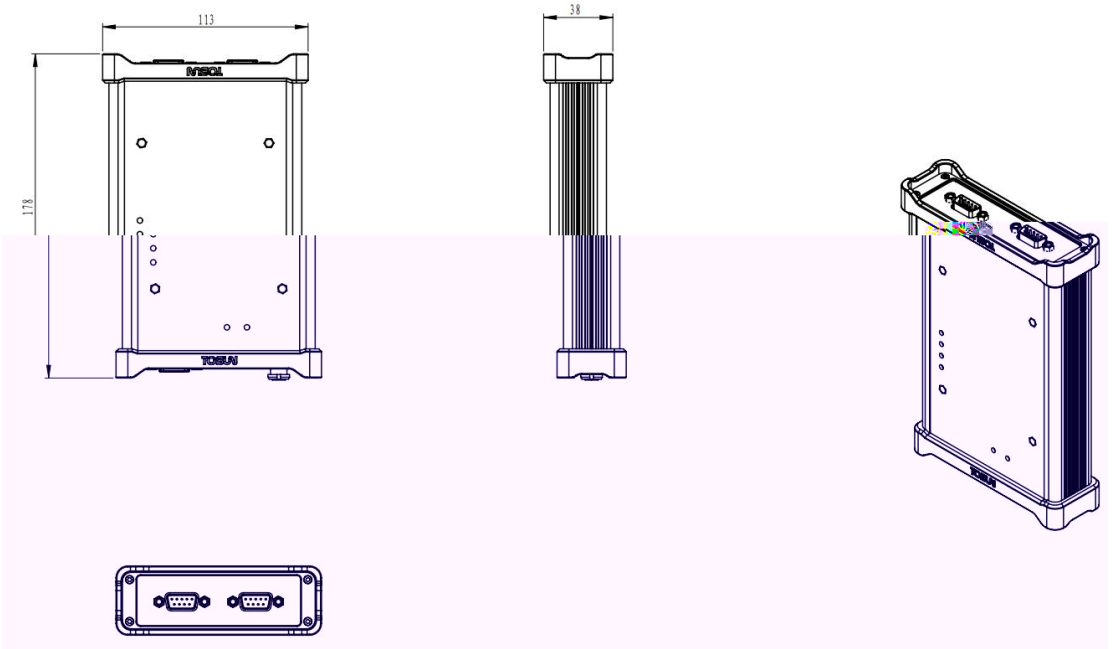
Python



- ✓ us
- ✓ Windows
- ✓ 2 CAN/CANFD 2 FlexRay
- ✓ DIDO *4 AIAO *3
- ✓ CAN 125Kbps-1Mbps CANFD 8Mbps
- ✓ CAN 120Ω
- ✓ FlexRay 100Ω
- ✓
- ✓ CAN Self-ACK
- ✓ BLF ASC /
- ✓
- ✓ API

	2*CANFD / 2*FlexRay / 4*DIDO / 3*AIAO
PC	USB2.0
CANFD	DB9
	Windows Linux
	1000 CAN
CAN	CAN2.0A B ISO11898-1 125Kbps-1Mbps
CANFD	ISO ISO CAN FD 125Kbps-8Mbps
DIDO	DI 0-40V Vref:0-3.3V :VAH=(330+499*Vref)/1098; Val=0.455*Vref DO 0V 5V/12V
AIAO	AI 0-39V AO 0-30V
AI	1~1000HZ
AIAO	1%
	1us
	120
*	20000 /
*	20000 /
	CAN DC2500V ±2KV ±15KV
	9~32V DC
	4W/10W(DO PWM)
	178*113*38mm
	433 g / 922g
	-40 80
	10% 90%

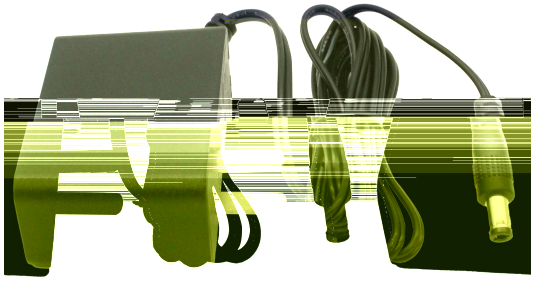
	DC	CAN ,FlexRay	9	12	32	V
	DC	CAN ,FlexRay	--	0.3	--	A
	DC	CAN ,FlexRay	--	4	--	W
CAN		CANH CAHL	-58	--	58	V
			--	120	--	Ω
		1mA	2500	--	--	VDC
EMC	ESD	IEC61000-4-2	2 15	--	--	kV
	EFT	IEC61000-4-4	2	--	--	kV
	Surge	IEC61000-4-5	2	--	--	kV



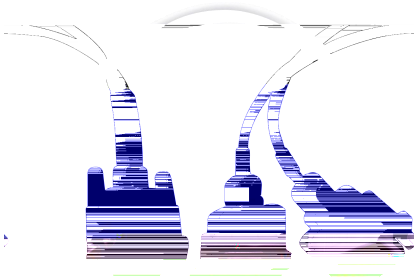
✓ TC1034 Pro+

✓ USB

✓ 12V2A

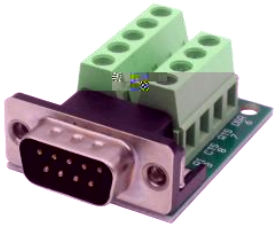


✓ DB9 CAN

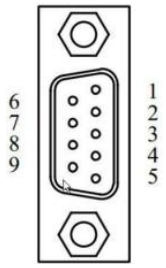


✓ DB9 FlexRay

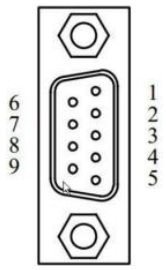
✓ DB9



- DB9 Male CAN/CANFD

DB9			
	CANFD 1/2	PIN2	CANFD 1_Low
		PIN3	CANFD_GND
		PIN4	CANFD 2_Low
		PIN5	CANFD_Shield
		PIN7	CANFD 1_High
		PIN8	CANFD 2_High

- DB9 Male FlexRay

DB9			
	FlexRay 1/2	PIN1	FlexRay_BM2
		PIN2	FlexRay_BM1
		PIN3	FlexRay_GND
		PIN4	FlexRay_BM3
		PIN5	FlexRay_BM4
		PIN6	FlexRay_BP2
		PIN7	FlexRay_BP1
		PIN8	FlexRay_BP3
		PIN9	FlexRay_BP4

FlexRay 1/2	FlexRay 1/2
CANFD 1/2	CANFD 1/2
DC 9-32V	
LINK	

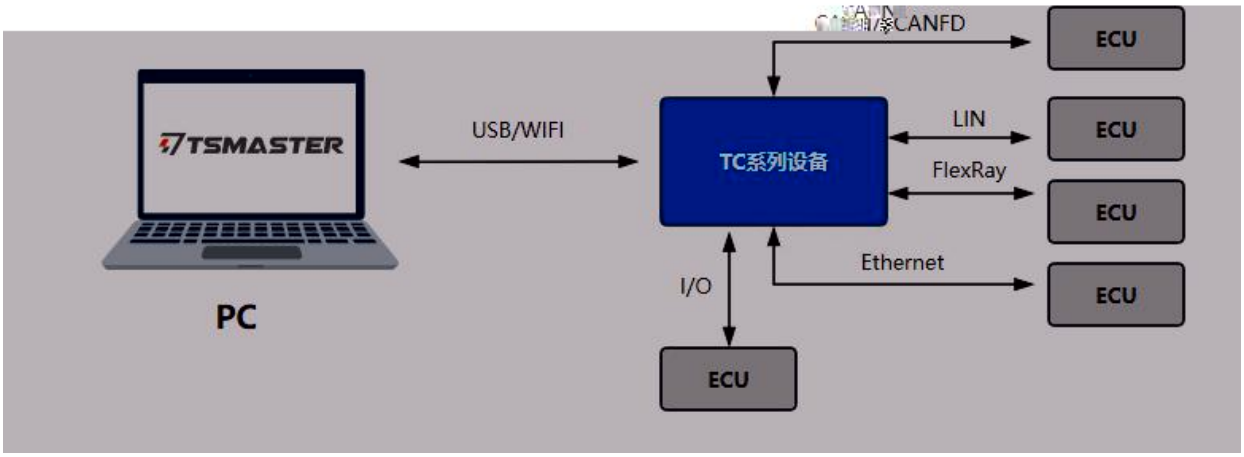
FlexRay	FlexRay
FlexRay	FlexRay
CANFD	CANFD
CANFD	CANFD
DC 9-32V	
LINK	

1.

TC1038 Pro

TC1054 Pro

TSync01



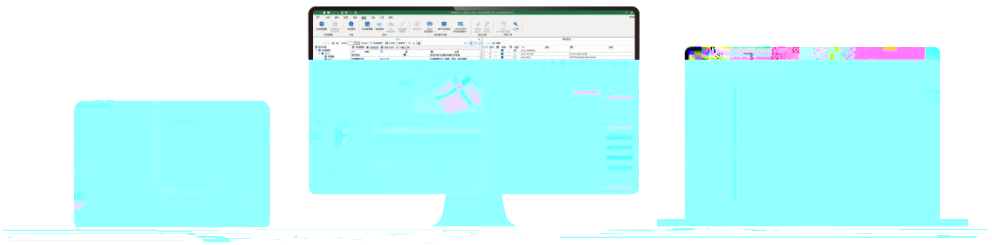
TC USB WIFI ECU PC

TSMaster ECU CAN/CANFD LIN FlexRay Ethernet

I/O TC CAN/CANFD 120Ω

TOSUN

Windows7/8/10/11 Linux



TSMaster

UDS CCP/XCP ECU

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ECU HIL

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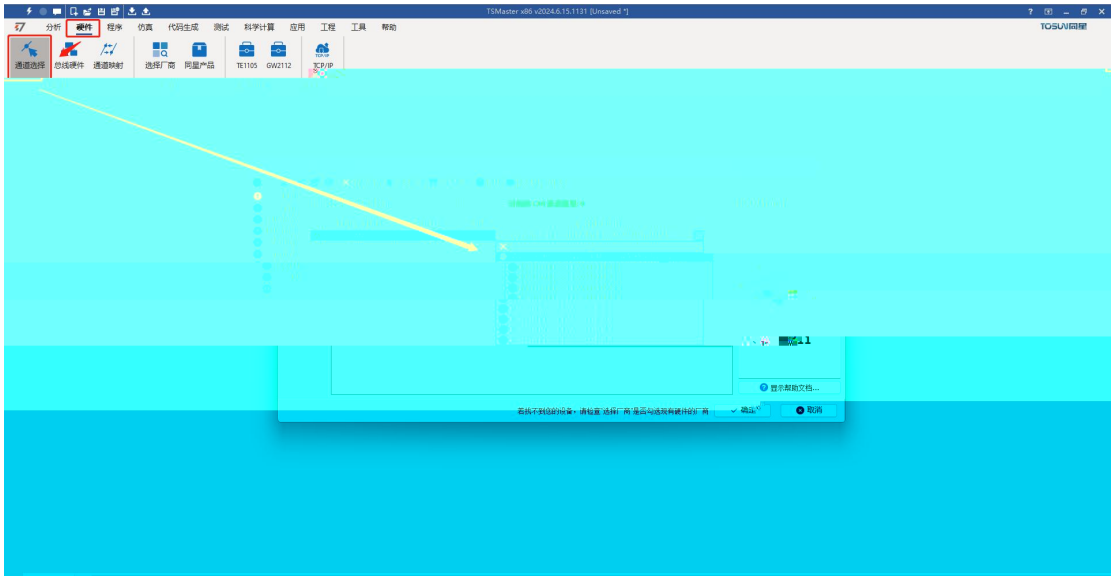

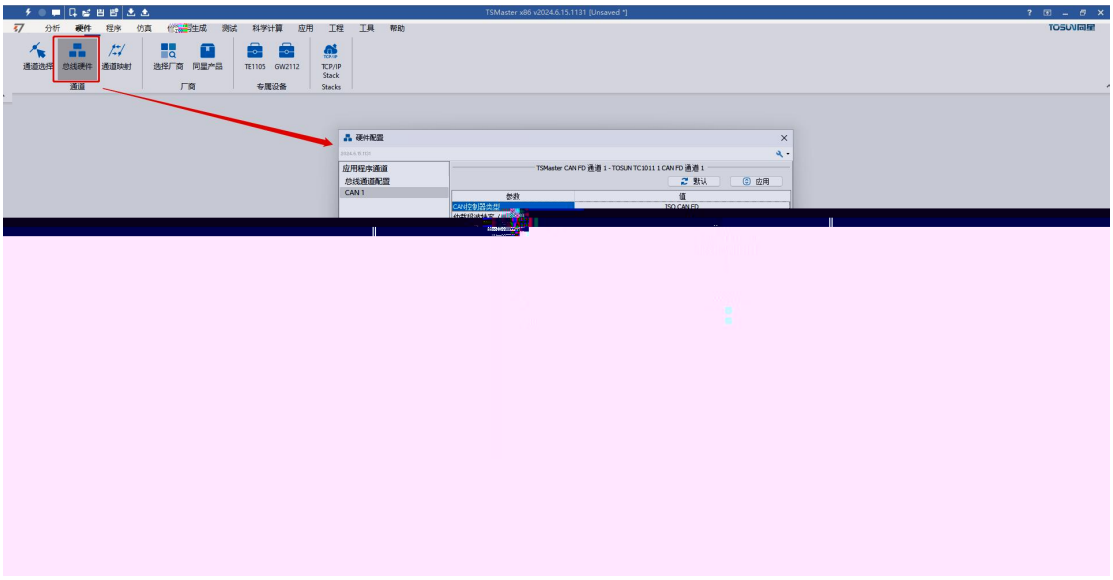

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ECU TSMaster

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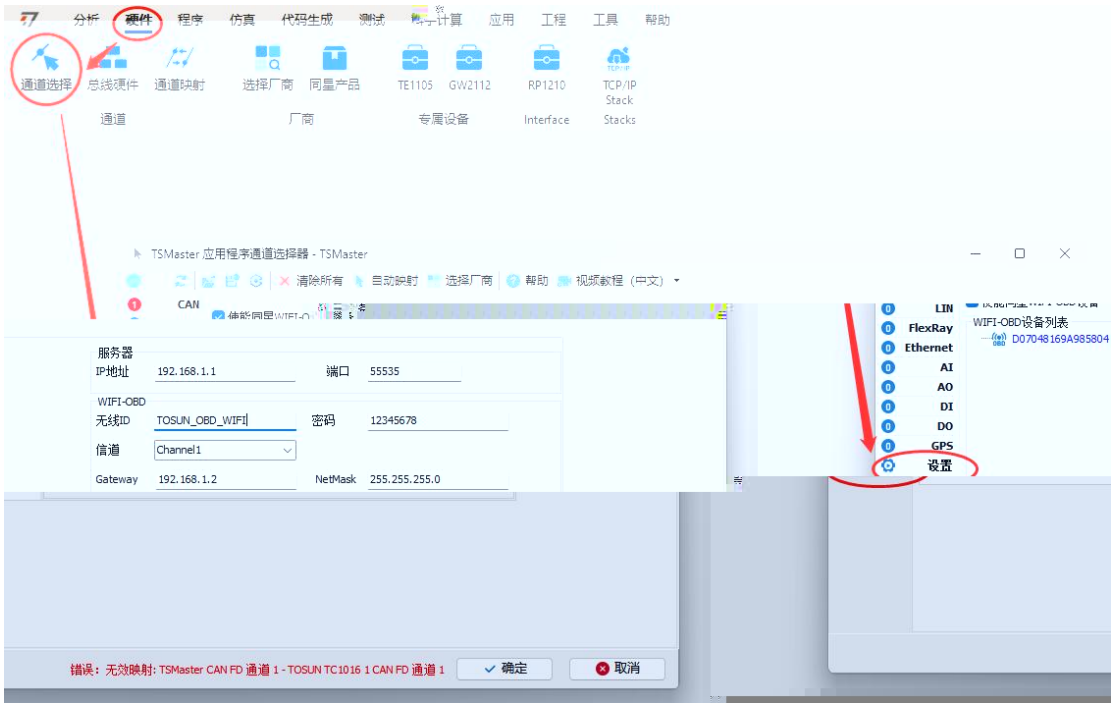
*TC1113B/TC1114B WIFI PC

1. WIFI USB PC TSMaster

- WIFI-OBD

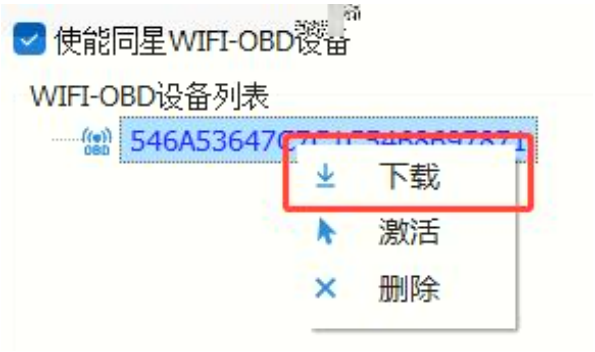


2. WIFI-OBD

IP TC1114B ID

WIFI

3. WIFI-OBD



4. CAN

5. PC USB OBD 9~32V

PC WIFI

TSMaster WIFI

TSMaster WIFI TSMaster

WIFI TSMaster

TC

6 ,

		USB +5V DC +12V DC	USB /
	( )	-40 ~+80	
	( )	10%~90%	
			,

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