凌科自动化

User Manual

PROFINET
MODBUS RTU RS485
APG1502

1. 3

1.1 4

1.2 4

1.3 4

2. 5

2.1 APG1502 6

3. 7

3.1 8

3.2 9

3.3 Modbus 10

4. 11

4.1 12

4.2 12

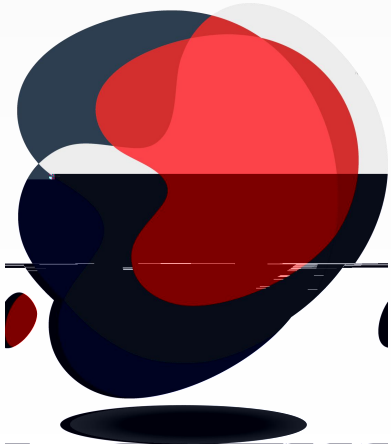
5. 13

5.1 GSDML 14

5.2 14

5.3 17

6. 21



PROFINET® PI

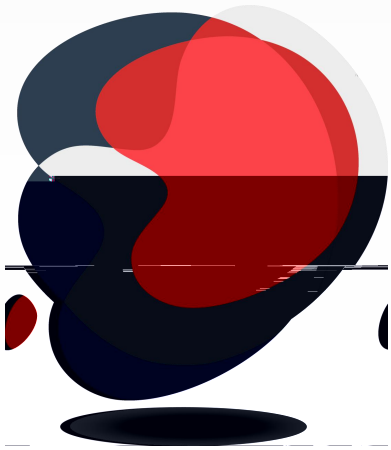
IP20

IEC11631-22007 Programmable controllers –Part 2:Equipment requirements and tests

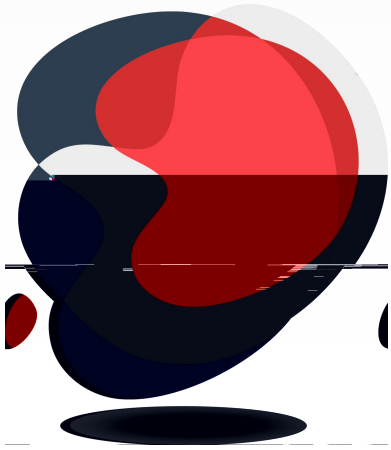
IEC/TR 61158 -

IEC61784-1 -

PNO-7.352, PROFINET IO Device Integration, Guideline for PROFINET, Version 1.0, October 2014,PROFIBUS & PROFINET International, Order Number 7.352

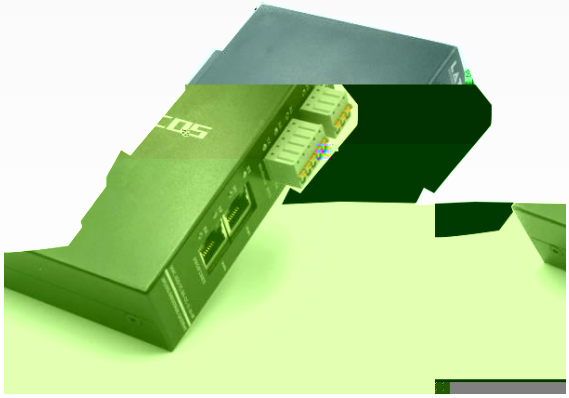


1		PROFINET RT IEC 61158 Type3
2		10/100 Mbaud
3		RJ45 IEEE 802.xx)
4		MAC
5		CAT5e
7		1500V DC IEC61000-4-2
1		Modbus _RTU Master
2		5
3	kbps	2400,4800,9600,19200,38400,57600,115200
4		01H 02H 03H 04H 05H 06H 0FH 10H
1		W 31*(H)118* D 86mm
2		DIN35mm
3		IP20
4		-40 +70 -20 +55
5		24 VDC(±20)
6		110 mA (24 VDC)

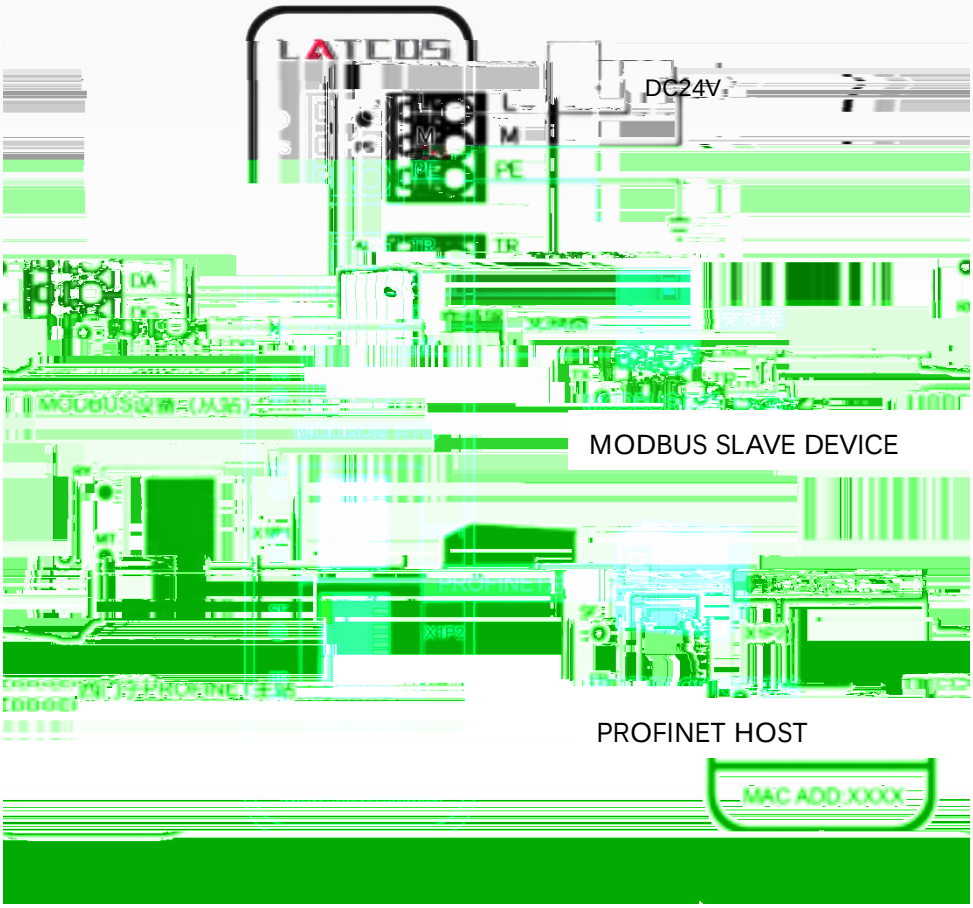


APG1502 Gateway RJ45

X1P1 X1P2



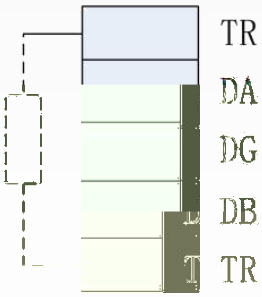
LED Modbus profinet



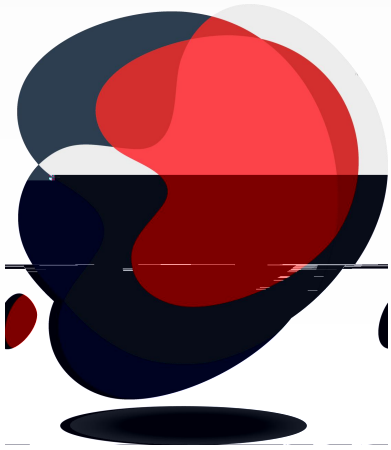
PWR		
AL		Modbus
RX		Modbus
TX		Modbus
RY		operate
MT		LED
SF		——
ER		Profinet watchdog

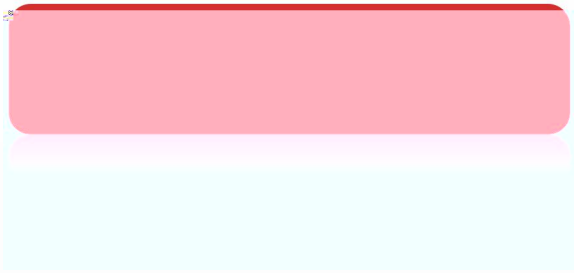
Mobus TR

120Ω TR1 DA, TR2 DB



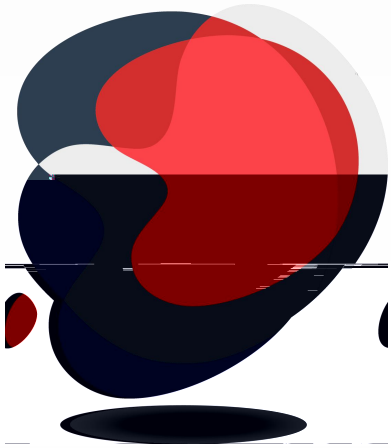
1	TR1	
2	DA	/ A
3	DG	
4	DB	/ B
5	TR2	





status

s

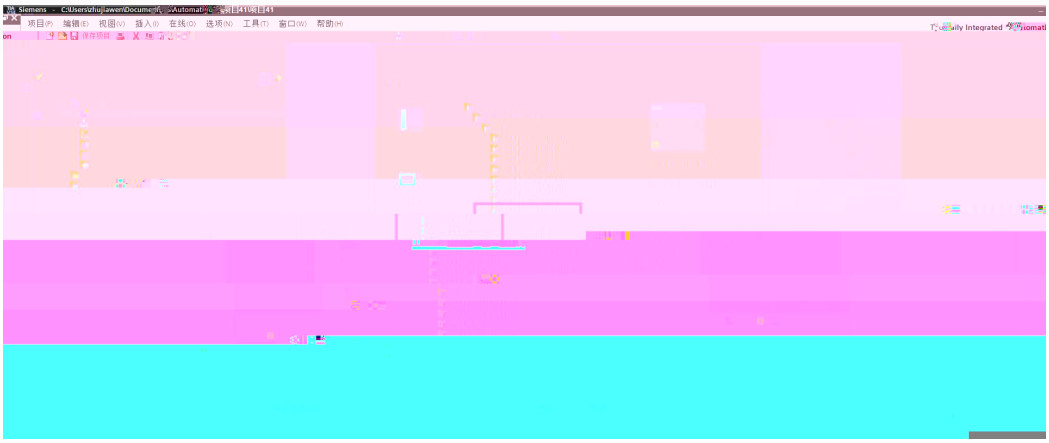


TIA PORTAL

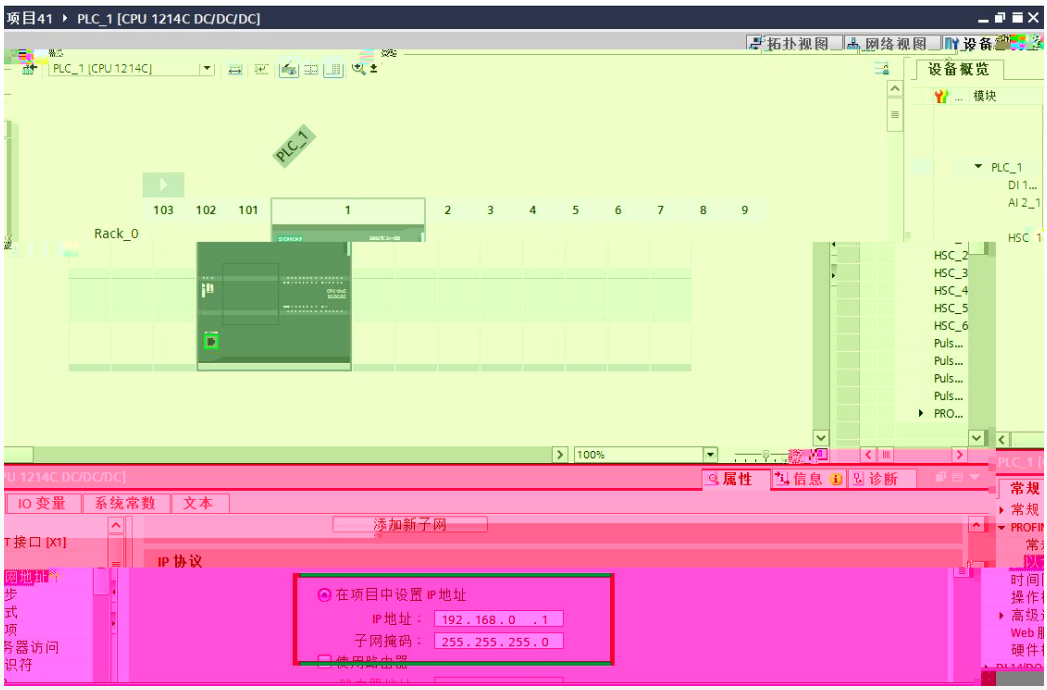
“ - ”

GSDML

S7-1200 SIMATIC S7-1200 1214C CPU

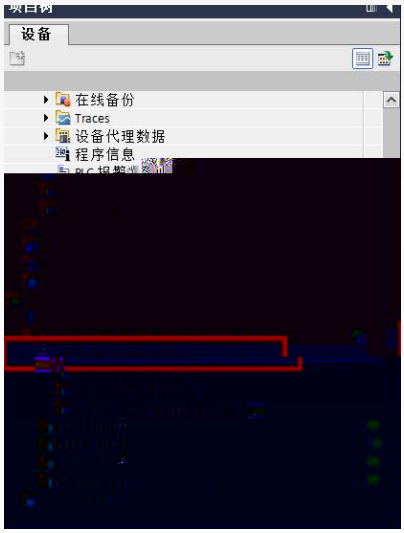


IP CPU 1200 192.168.0.1

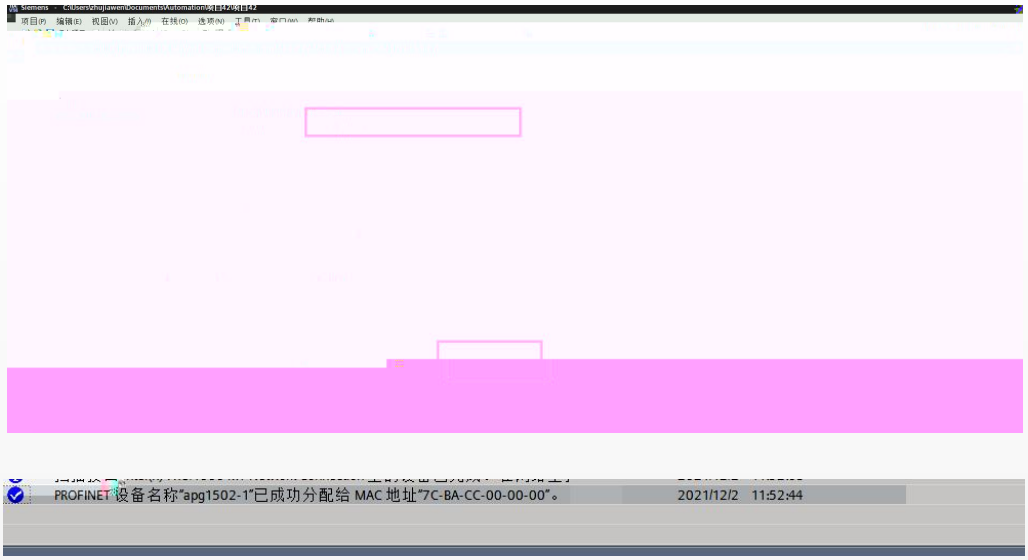


PROFINET IO IO/GateWay/LATCOS/Gat
eWay/APG1502_V2.0

:


项目树
设备
在线备份
Traces
设备代理数据
程序信息

项目树
设备
在线备份
Traces
设备代理数据
程序信息
PLC 报警文本列表
本地模块
分布式 I/O
未分组的设备
公共数据
文档设置
语言和资源
在线访问
显示/隐藏接口
Intel(R) PRO/1000 MT Network Connection
更新可访问的设备
plc_1 [192.168.0.1]
在线和诊断



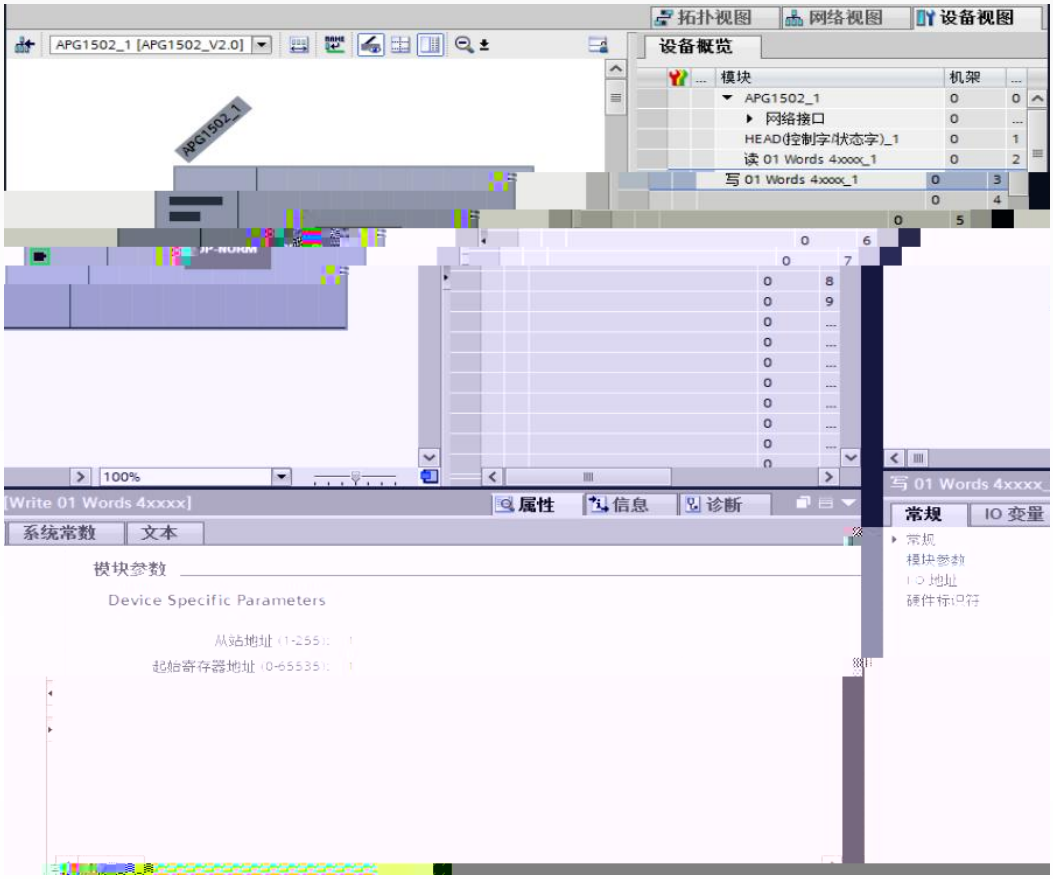
PROFINET 设备名称"apg1502-1"已成功分配给 MAC 地址"7C-BA-CC-00-00-00"。
2021/12/2 11:52:44

(2)

“ ”

“SLave Adress” 10

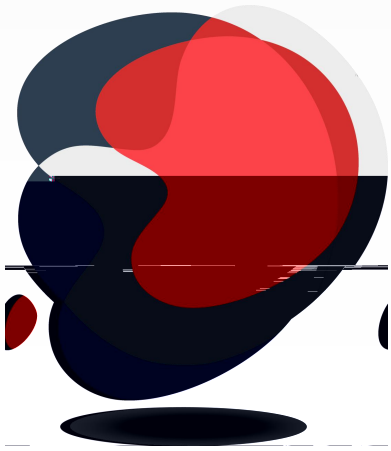
“Start Adress” 10



3

- “HEAD(Status Control Byte)” “ ”

- HEAD(Status Control Byte) I Q %IW1
  %QW1 %QW1 1
  %Q1.0 =1 ModeBus



1 2

2 H1002 H1003 H1004

3 H1002

4 H2000

3

●Read 03 Words 4xxxx(Modebus 03H) (

)

●Write Single Word 4XXXX Modebus 06H

●Write Single Word 4XXXX Modebus 06H (

- Slave Adress =2

  “Start Adress”=4098 H1002 =K4098 2

- Slave Adrees =2

  Start Adree =4098 H1002 =K4098

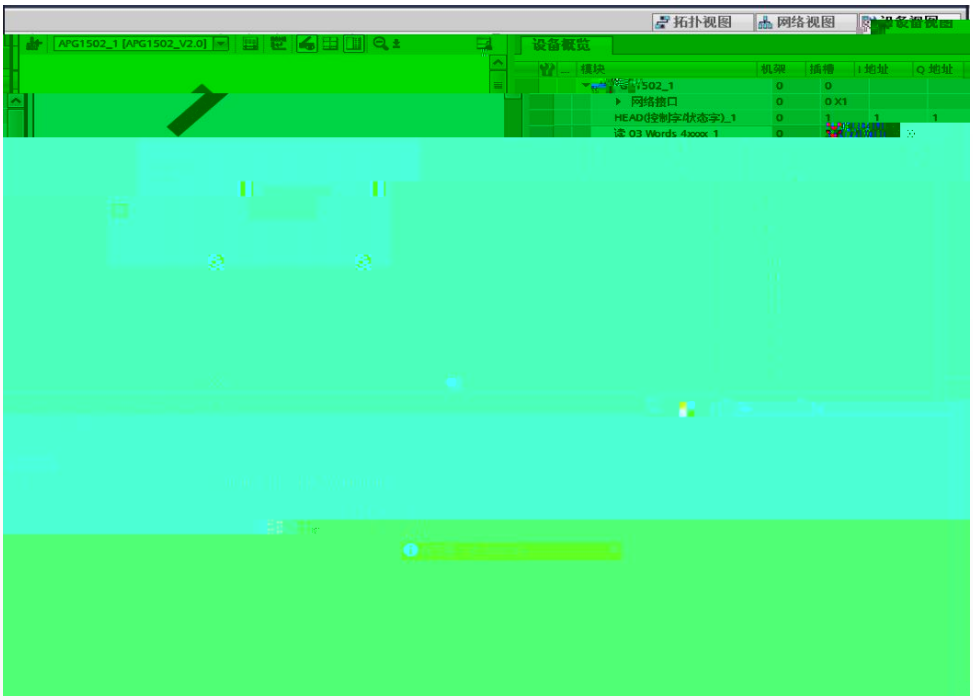
- Slave Adrees =2

  Start Adree = 8192 H2000=K8192

G0PN_MB

%Q2.0=TRUE

I Q



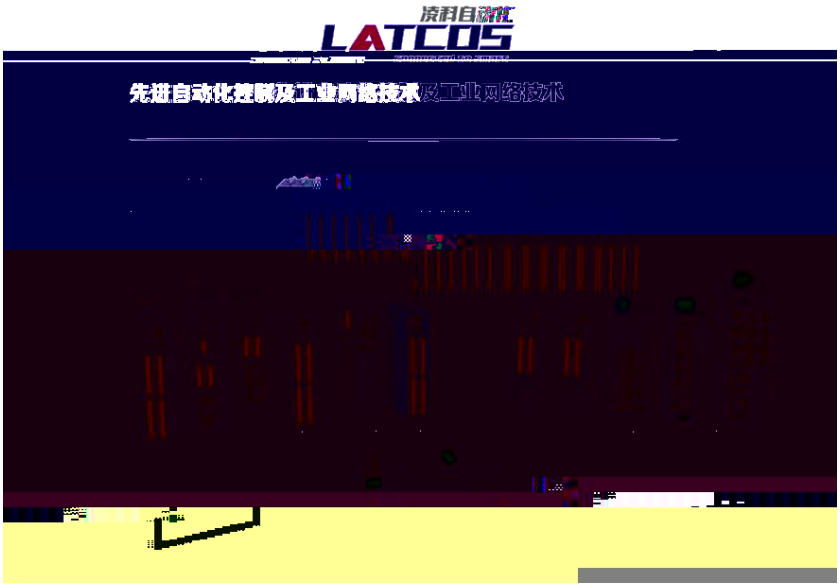
IB84----IB89

IW84----- IW86----- IW88----

QB64---QB67

QW66 H01 05H H2000

H01 H05



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