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Networks GmbH

TCP/IP

가
(1),
(CSMA/CD, 2),
(IP, 3), TCP UDP
(4)
(http), (FTP) SNMP
(Simple Network Management protocol,
7) 가 IT

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ProfiNet, Ethernet
/IP, IDA, Foundation Fieldbus HSE
Interbus

가

(Ethernet/IP, Foundation Fieldbus HSE
Modbus-TCP/IP),
(ProfiNet Interbus) IDA

IAONA(Industrial Automation Open Network
Alliance) Ethernet/IP IDA
(IDA)

-TCP/IP

TCP
UDP ()

Rockwell Automation
ODVA Ethernet/IP, Fieldbus
Foundation HSE(High Speed Ethernet)
Schneider Modbus-TCP/IP 가

TCP/UDP

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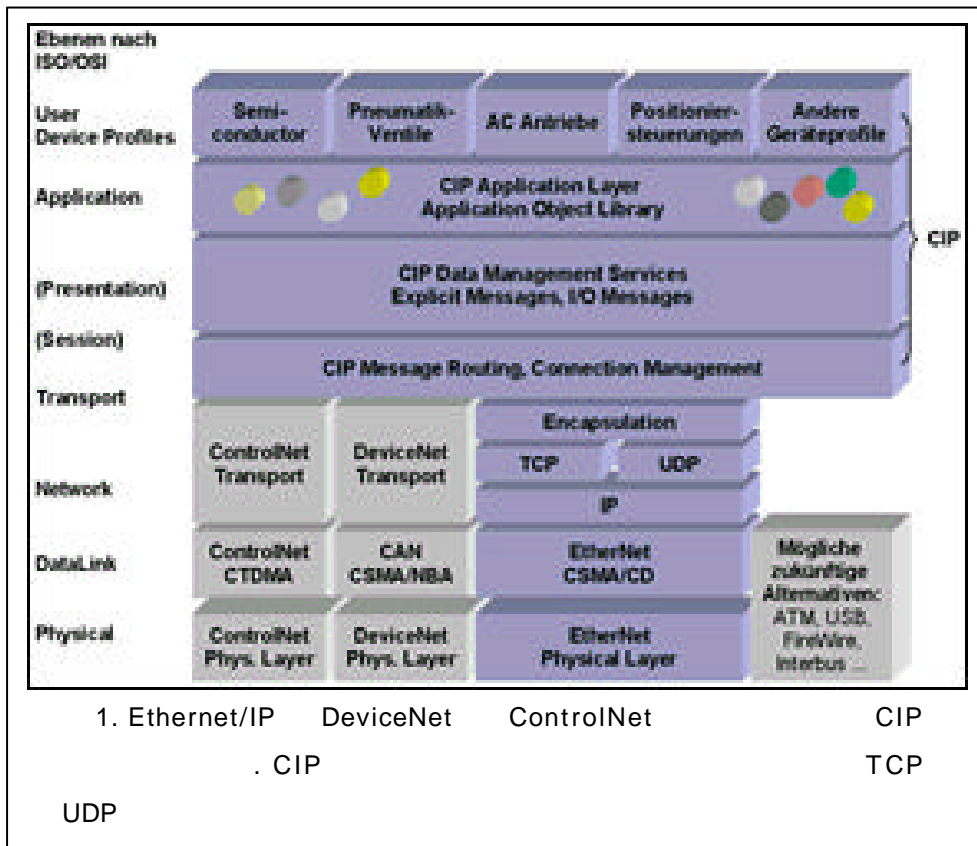
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CIP

, IP , TCP

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CIP

TCP

UD P

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Ethernet/IP(Industrial Ethernet Protocol)

(, I/O)

ControlNet CIP(Control & Information

(,)

Protocol) (1). CIP

Interbus Club

. CIP

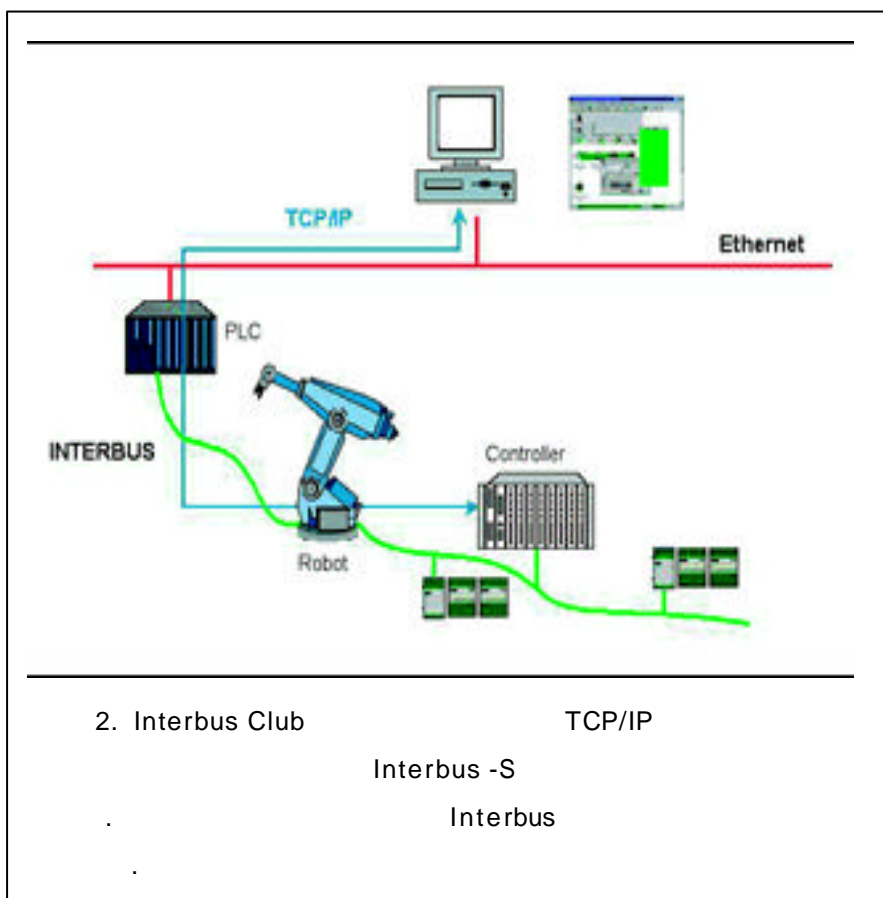
. Interbus

TCP/IP

TCP/IP

Interbus

(2). ISDN 가 .
 TCP/IP
 Interbus Interbus Interbus
 Interbus
 TCP/IP Interbus
 가 .
 TCP/IP



PNO(Profibus User Organization)
 ProfiNet(3)
 TCP/IP
 Interbus 가
 500kBit/s Interbus
 TCP/IP
 14.4kBit/s PROFIBUS
 2Mbit/s Interbus 가
 TCP/IP
 Microsoft DCOM
 가 .

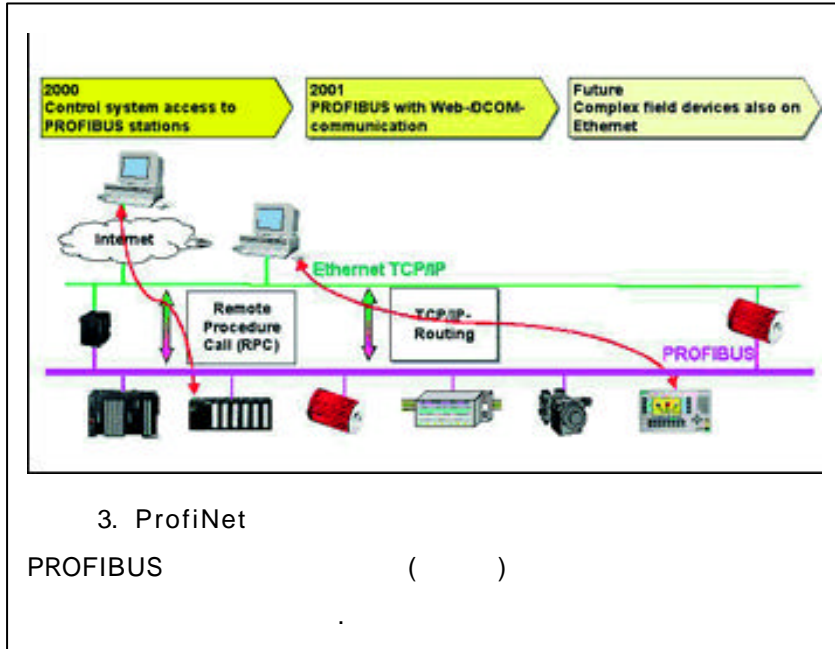
2001

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NDDS
UDP/IP

TCP/

IDA

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. XML

IDA(Interface for Distributed Automation)

. IDA

IDA

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RTI

4-

. IDA

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NDDS

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/가

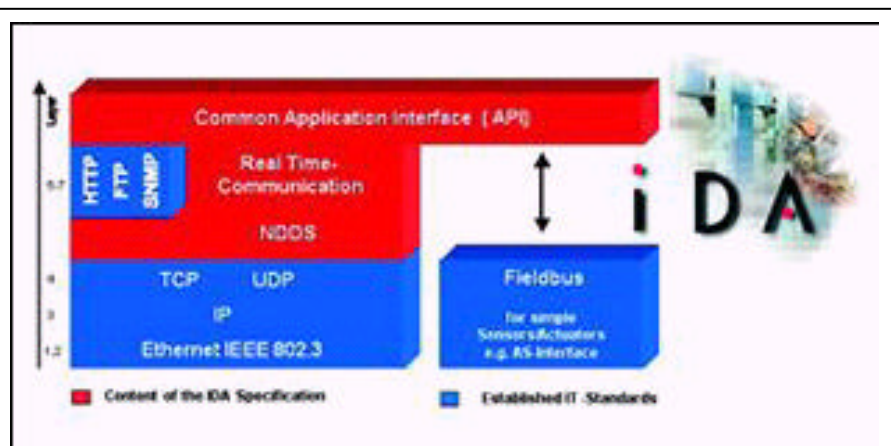
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IDA

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(RTPS

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4. IDA

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