

PROFINet

PROFINet

PROFIBUS

PROFINet

PROFINet = PROFIBUS + PROFIBUS IT

Ethernet

+

+

IT

PROFIBUS

PROFINet

PROFIBUS

Ethernet

PROFINet

가

PROFIBUS

+

+

+

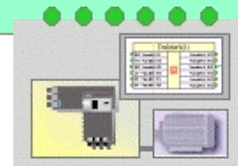
Open transparent communication with PROFIBUS and IT standards



Manufacturer-independent engineering model



Distributed automation through open object model



= PROFINet

1. PROFINet -

1991 IT
PROFIBUS International

PROFIBUS

PROFINet

PROFIBUS

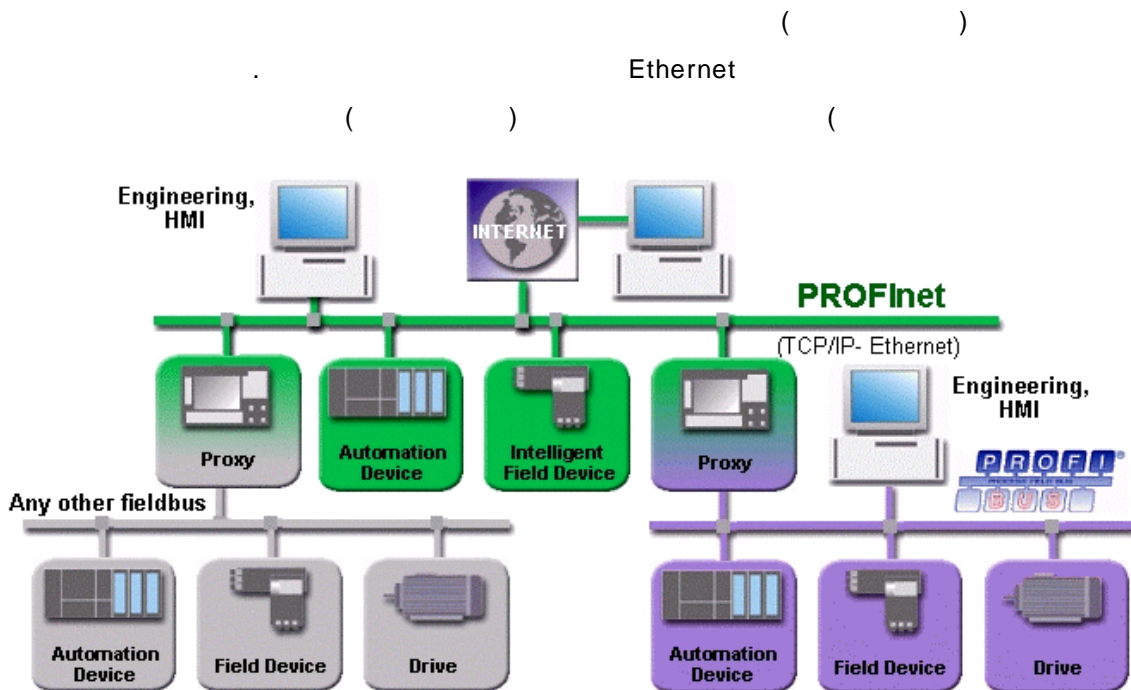
PROFINet

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2. PROFINet

) () COM

) ()

PROFIBUS

International

IT

가 PROFInet (ES

) (RT)가

ES

(Object Model) RT ES ,

(Input/Output) 가

Trigger

가

PROFIBUS

PROFInet RT

가 ES

(Proxy)

PROFInet

PROFInet Microsoft가

COM ES

RT mapping

ES ES

setup ES RT

COM

(Interface Definition Language) ()

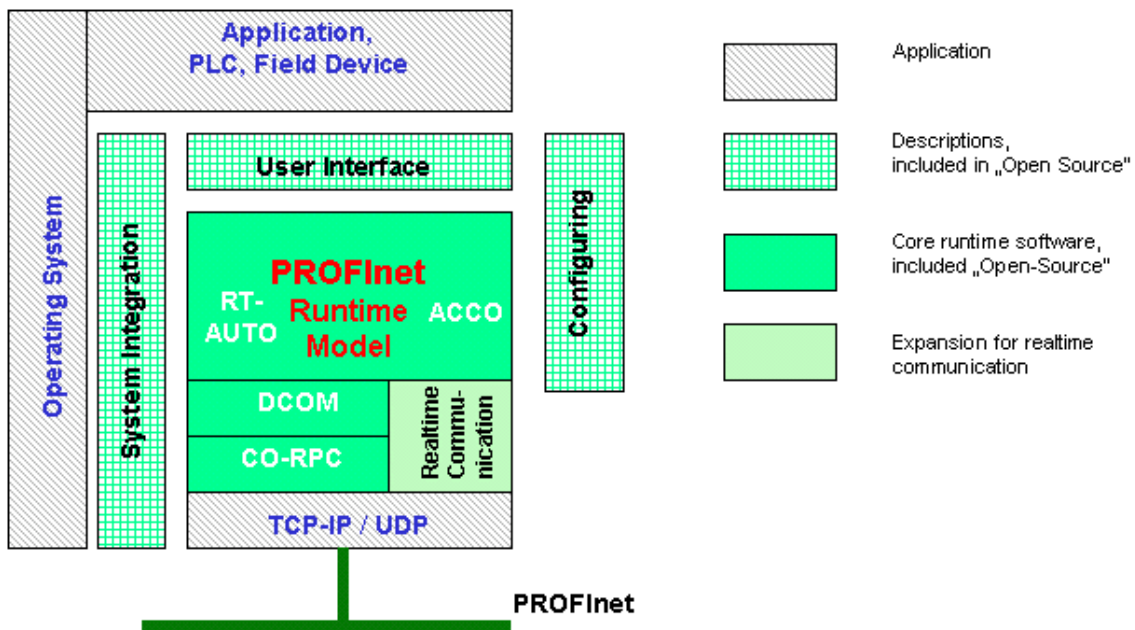
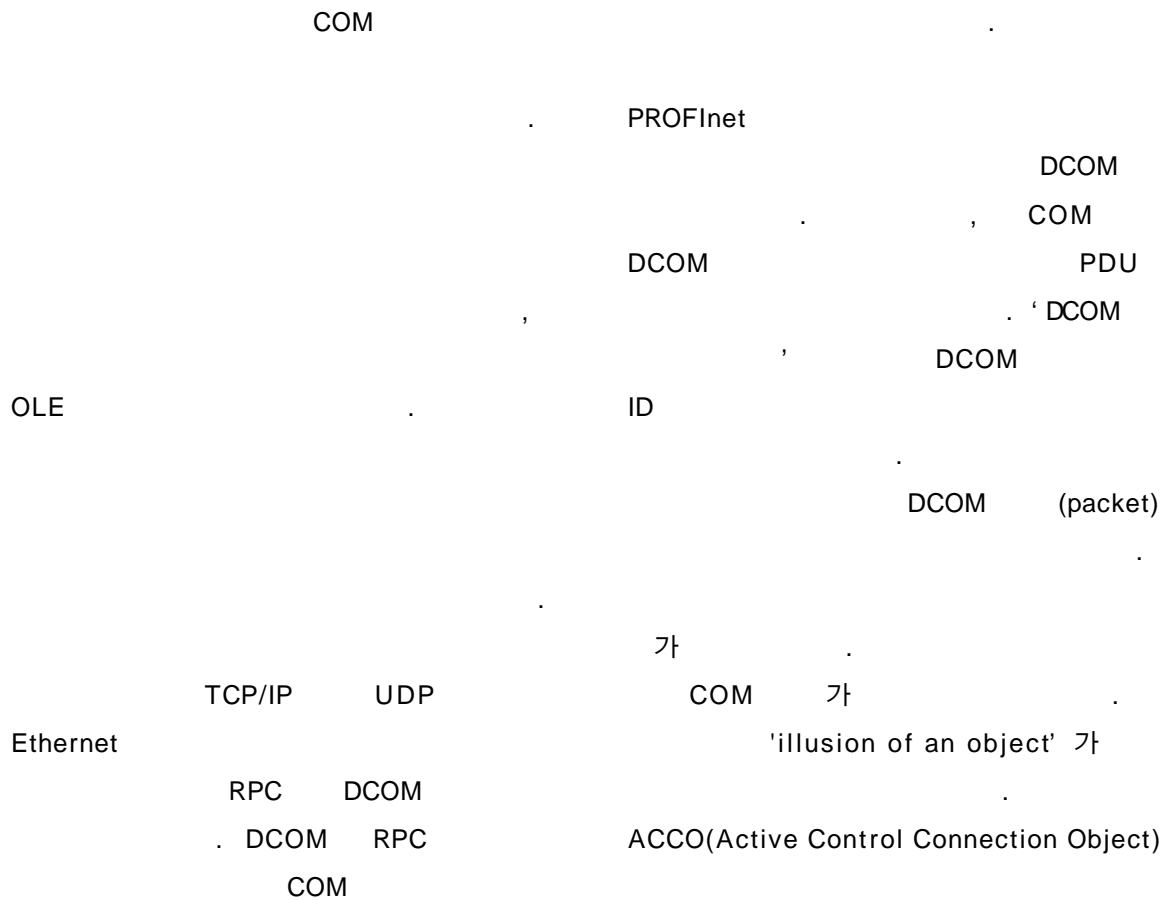
RT

(

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Runtime Communication



3. PROFINet

가 Auto

PROFINet

가

: Microsoft COM/DCOM

: TCP(UDP)/IP DCOM

wire

HMI Object handling:

Microsoft OLE Active X

PROFINet

PROFINet

PROFIBUS

PROFINet

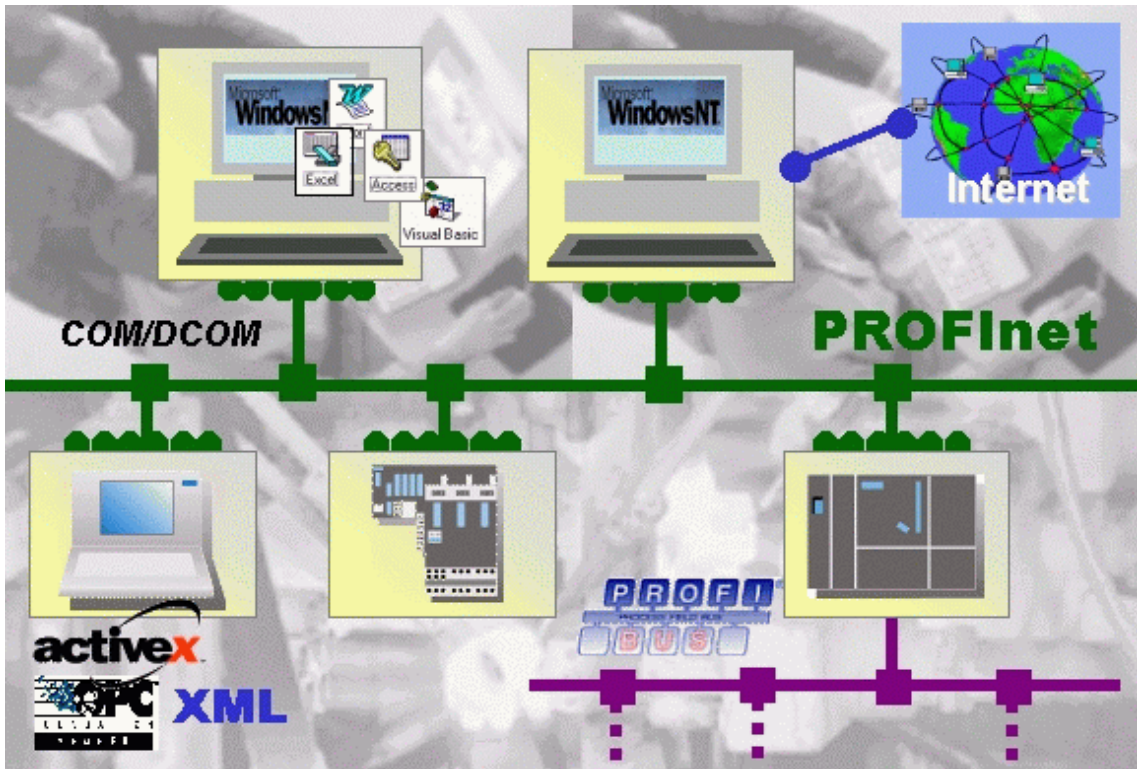
PROFIBUS User

Organization IT

IT

PROFINet

가 PROFINet



PROFINet

PROFIBUS DP

Karlsruhe, 2000 11 : PROFIBUS
International Profibus DP-V2
PROFIBUS DP

. Profibus DP-V2

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PROFIBUS DP-V1
DP-V2

(PROFIDrive) (PROFISafe)

DP-V2 가

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60 90

가

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PROFIBUS가

PROFIBUS ASIC

. Profibus DP-V2
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