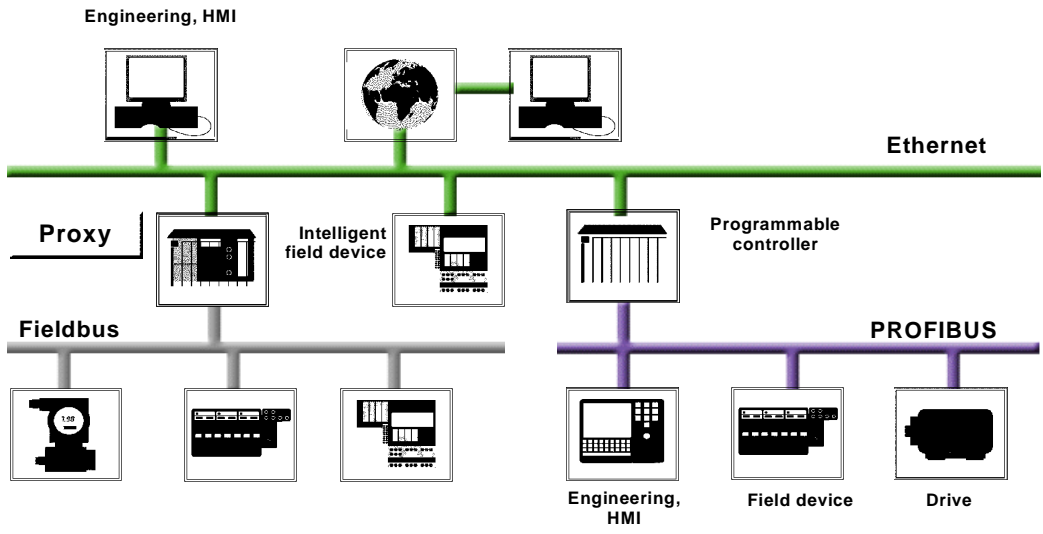


PROFINet

PROFINet Ethernet 가 migration PROFInet (overhead) PROFInet Georg Biehler, Siemens AG PROFInet Joachim Feld, Siemens AG PROFInet PROFInet PROFInet PROFInet (investment protection) PROFInet PROFInet TCP/IP DCOM (PROFINet) PROFInet

	(Situation)
	→
OEM ()	→OEM
	→
	PROFINet (IP DCOM) (: AS -Interface), 가 (,) →



Openness

Investment Protection

OEM

- Ethernet

PROFINet

PROFINet

PROFINet

가

PROFINet

가

PLC

PROFINet

()

PROFINet

PROFINet

PROFINet

PLC

- Ethernet

PROFINet

가

CPU

migration

OEM , - 가
가

PROFINET

가

“outside world”

PROFINET view

proxy

proxy

가

PROFINET ()

proxy “A System of Patterns”(Frank
Buschmann , 1996) 263, 264

“proxy”

PROFINET

Ethernet

"Proxy

가

(placeholder)

.” “

view

가

가

PROFINET

Ethernet

가

PROFINet

OEM

PROFINet

가

(net data)

244

PROFIBUS

Foundation Fieldbus, CAN, Interbus,

Suconet

가

PROFINet

DP

10

(predictability)

PROFIBUS DP

view /

PROFIBUS DP

PROFINet

PROFIBUS DP

) PROFINet

(CAN, InterBus, FF

(map)

()

I/O

PROFIBUS DP

가

PROFINet

PROFINet

PROFIBUS DP

DP

PROFINet

PROFIBUS DP

PROFIBUS DP

PROFIBUS DP 가 PROFINet

PROFINet (TCP/IP DCOM)

PROFIBUS DP

가

PROFINet

PROFIBUS DP

- PROFIBUS DP

가

PROFIBUS DP

가

PROFINet

DCOM

(

)

TCP, RPC

DCOM)

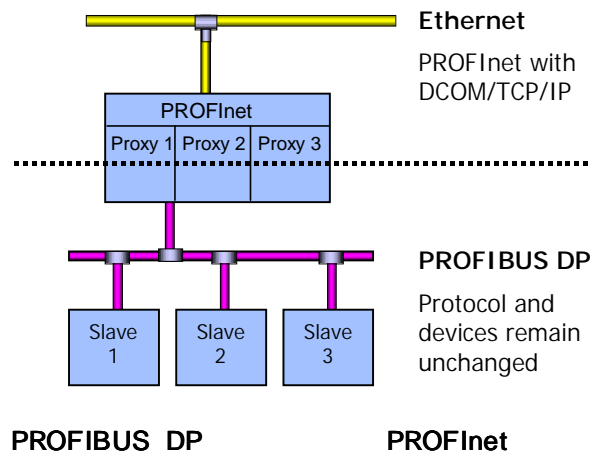
가

(, : IP,)

가

- PROFIBUS DP

I/O



PROFIBUS DP

PROFINet DP

가

PROFIBUS DP

PROFINet

. DP

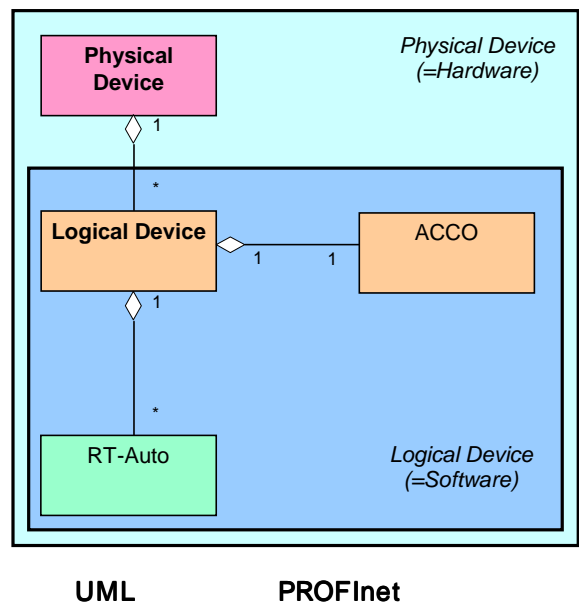
DP

DP

PROFINet

PROFIBUS DP

PROFIBUS DP



PROFINet

DP

PROFINet

Ethernet

PROFINet

가

DP

(PROFINet

).

(DP

)

PROFIBUS DP

DP

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PROFINet

DP

PROFIBUS DP

PROFINet	DP World
	, DP 가 DP .
	DP • , • , • ,
RT -Auto	DP . DP
ACCO	.

PROFINet

PROFIBUS DP

DP

PROFINet

RT -Auto

ACCO가

,

가

.

PDev

DP

RT

DP

PROFINet

DP

(componentization)

DP

PROFINet

IP

가

DP

XML(eXtensible

PROFINet

DP

Markup Language)

가

가

RT -

가

Auto

DP () DP
가 PROFIBUS DP
DP 가
가 DP
DP
가

가 PROFInet
DP
DP DP ()
DP

PROFInet DP
DP PROFInet DP
PROFIBUS DP
PROFInet
PROFInet 가
가 PROFInet (cache)
DP
DP

PROFIBUS DP
Hanover Fair PROFInet (,
2001,4) PROFInet RT -Auto
PROFInet

Bosch, Moeller Siemens
가

PROFIBUS PROFInet

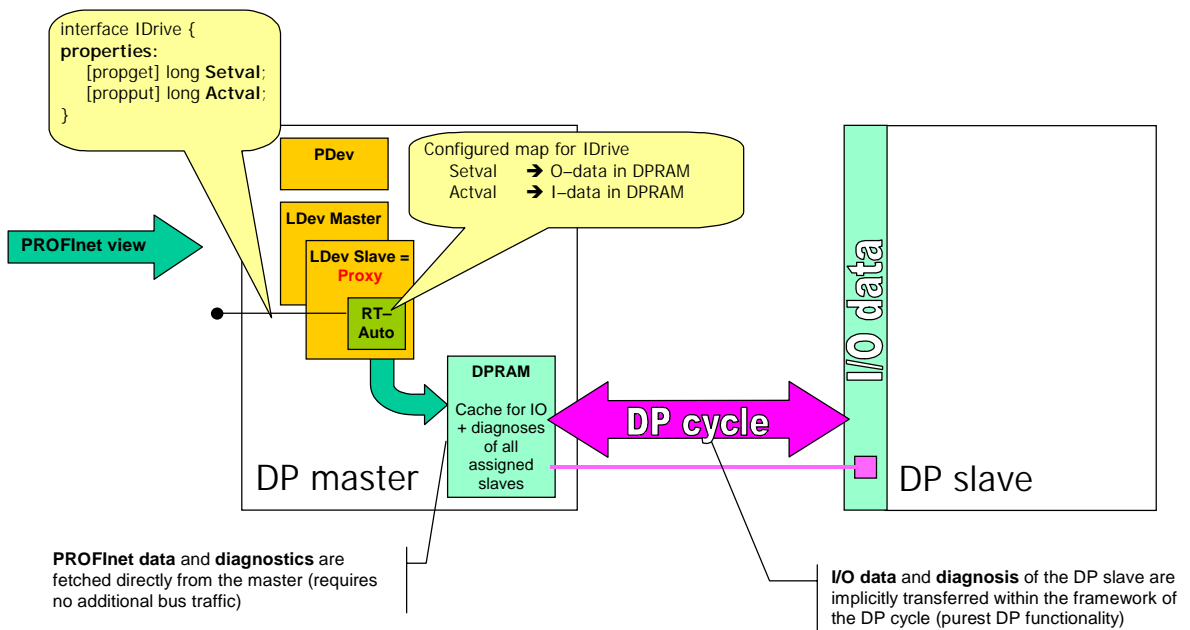
PROFInet

PROFInet

PROFIBUS

DP 가 가 가 PROFIBUS 가

PROFIBUS DP PROFInet



Proxy for PROFIBUS DP

PROFIBUS

International PROFInet

가

가

PROFInet PROFIBUS DP -

V0

PROFIBUS DP -V1

PROFINet

DP

PROFIBUS International

PROFINet

PROFIBUS Ethernet

가

Ethernet

가