

| 도움이 되는 계장지식

MS TODAY 2014년



EtherNet/IP, EtherCAT

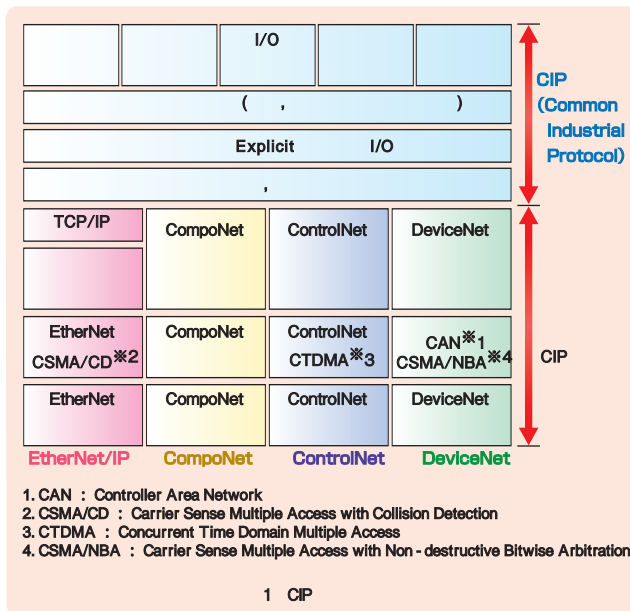
Ethernet Real-Time
 Ethernet 2
 (CC-Link DeviceNet)
 Ethernet
 Real-Time Ethernet(RTE)
 EtherNet/IP(Ethernet Industrial Protocol)
 EtherCAT(Ethernet for Control Automation Technology)

1 EtherNet/IP

10BASE-T/100BASE-TX
10/100Mbps
: 100m
STP 5/5e
, ,

1. EtherNet/IP

EtherNet/IP Ethernet
 1
 DeviceNet ODVA(Open DeviceNet Vendor Association)
 가
 General Motors
 EtherNet/IP
 가
 Ethernet Ethernet
 가
 EtherNet/IP
 EtherNet TCP/IP Common Industrial Protocol(CIP)
 CIP EtherNet/IP
 가
 , CIP DeviceNet, ControlNet CompoNet
 EtherNet/IP
 가 1 CIP



2. EtherCAT

EtherCAT Ethernet

가
 . (2)

2 EtherCAT

100BASE-TX
100Mbps
: 100m
STP , 5/5e
, ,
65535

1 2
 ,
 가
 가
 1
 가
 가
 가
 2