

IEEE 23 IEEE 이시는 LANA 超是 정한다. 7 Project 802 LNN protocols

Thysical layer

LLC

data link layer

MAC — 961 (cthernet)

44 (wifi) LLC (Logical Link Control)

7 27 => 12 15 (framing, error Control, 510 w Control) 273 MAC MAC (Media Access Control) > shared Media = 35 013 LLC Data-link layer Ethernet Token ring Token bus • • • MAC MAC Token ring Token bus Physical layer physical physical Transmission media Transmission media - 802 11 (WLAN) OSI or TCP/IP Suite 902.4

Ethernet evolution: standard > 10 Mbps
Fast > 100Mbps 10 Gigabit > 106 bps Ethernete LAN 기술 중 가장 널리 쓰이는 protocology. Physical Topology Bus 90 tiden 48 of 44 linker of node of 5 switched 4 25 22 34 240 switched of 5 4 556 CSMA/CD 848 854 48 RCSMA/CDE 至叶色中 Elhernet Frame Ethernet Frame Preamble 5 Pest Source Type Pata

MAC MAC Type Pata

46 ~ 1500 7 3 M 30 M & Pata Preamble: 1 byte 4 | 0 | 0 | 0 | 0 | 0 | Clock synchronize

SFD: 1 byte 4 | 0 | 0 | 0 | 1 |

→ 0 | Clayer | Frame 42 2712 Ethernet Frame -min size: CSMA/CD를 위한 최소 제한 : 64 byte -Max size: Shared Medium를 득설하는 건물 막기 위한 1518 byte 세한

Ethernet

9 CRC2 error detection 4 245 44 9 Sender of TCP 25E error control protocol 2 421 25000 data loss

MAC protocol

3 Elhernete MAC protocol 3 CSMA/CD with 1 - persistant of 2 48

 $\frac{|3r|^{2-1}}{|3r|^{2-1}} = \frac{|m|^{2}}{|ata|^{2}} = \frac{|m|^{2}}{|ata|^{2}} = \frac{|ata|^{2}}{|ata|^{2}} = \frac{|ata|^{2}}{|ata|$ 

gut! repeater delay, jam sequence 54201 2500 43

802.3 ethernet

Link (physical layer media) 372 cfofofof. ex) fiber, cable

3 standards 2 012111