

[] AVB(Audio Video Bridge)

IEEE 802.1 AVB(Audio Video Bridge)

LAN

LAN,

Residential Ethernet

802.3 Committee(Ethernet) Synchronous Ethernet, Asynchronous Packet Switching

Bridge

Packet Switching Ethernet Bridge Synchronous

Traffic 가

Traffic Bridge Mesh가 Synchronous

AVB

Master Slave (AV Cloud) Master Bridge

1 2

Free Running

1588 10Gbps , 40Gps 100Gbps IEEE 1588 IEEE 20Mbps~1Gbps

IEEE 1588 nano-second

micro-second

AVB 802.1AS IEEE

1588

AVB

AVB Master AVB Cloud , Cloud

Master Meta Coordination

Federated Synchronous AVB Clouds

A/V Stream
 802.1Qat SRP(Stream
 Reservation Protocol)

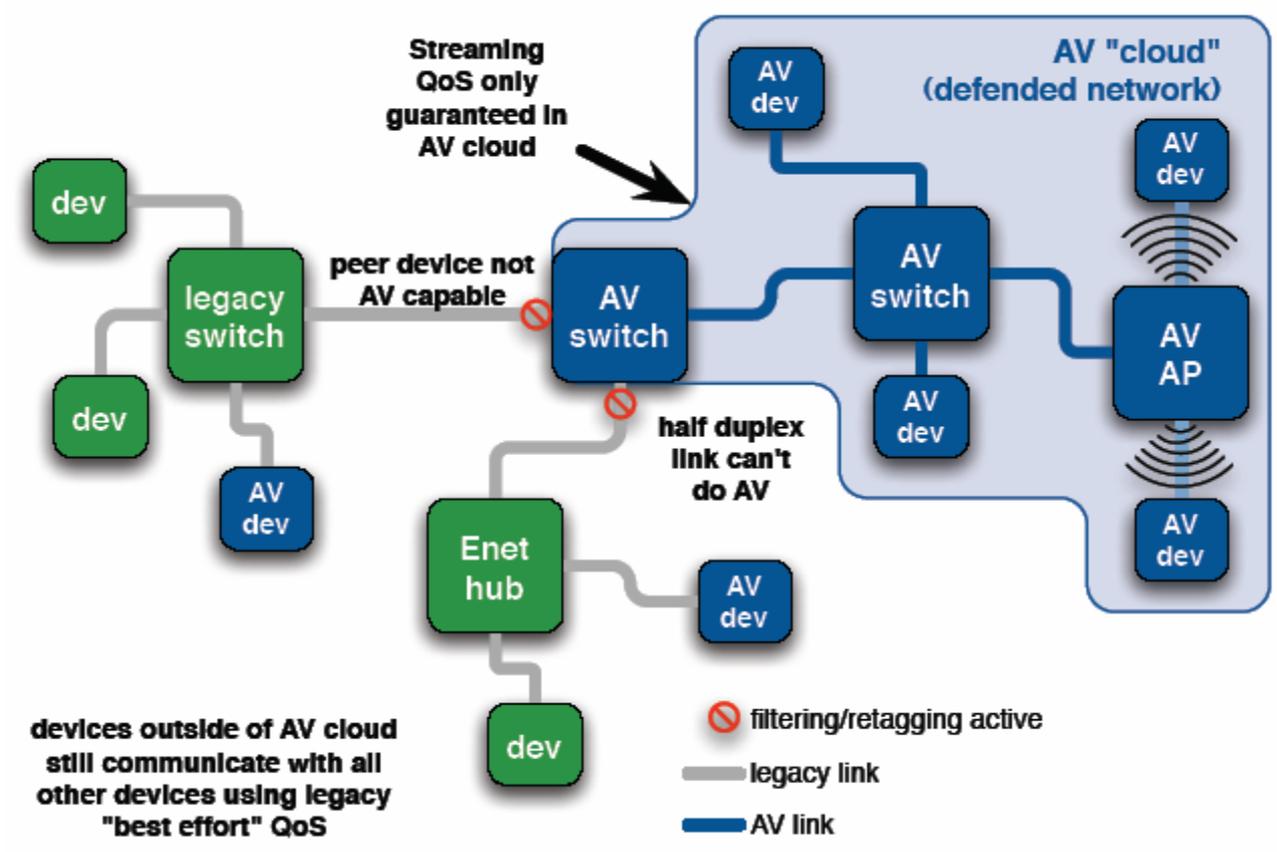
AV
 802.1Qav ,
 Forwarding Scheduling

AVB ()
 가

AVB가
 AVB가 Ethernet Frame Switch IP Packet Switch가
 Statistical Switching
 가 IntServ DiffServ
 가
 가 (Circuit Switching) 가
 Hybrid Switching
 가 AVB
 Synchronized Packet

Switch Mesh
 , line driver
 가

가
 AVB
 가 AVB



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