

EoC Station 500

RF:

Used radio frequency: 2 to 65 MHz

Output Power: 15 dBm

Receiver sensitivity: -65 dBm

Input and output impedance: 75 ohm

Built-in low-pass/hi-pass splitter: Yes

Built-in low-pass filter:

Low-pass frequency: 2 ~ 65MHz

High-pass frequency: 87 ~ 860MHz

Insertion loss: $\leq 1.2\text{dB}$ (65MHz) $\leq 1.1\text{dB}$ (87 to 860MHz)

Reflection: $\geq 16\text{dB}$ (65MHz) $\geq 18\text{dB}$ (87 ~ 860MHz)

Stop-band attenuation (absolute value): $\geq 45\text{dB}$ (65MHz) $\geq 45\text{dB}$ (87 ~ 860MHz)

Management:

MME – Management Message Entries

Generic:

Chipset: AR7411/1500

SDRAM size: 8MB

Interface:

- 2×RJ45 - 10/100M adaptive Ethernet port
- F-socket – EoC link

LED:

- Power (YELLOW),
- EoC Link (RED)
- 2× Ethernet ports (GREEN)

Standards: IEEE 802.3, IEEE 802.3x, IEEE 802.3u Auto MDI (X) IEEE 802.1P, IEEE 802.1Q

Agreement: TDMA / CSMA

Support: VLAN, QoS

Physical layer rate: 600 Mbps

MAC layer throughput: Full fast ethernet

Typical latency: 6ms

Modulation Schemes: OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK and ROBO

Modulation Technology: Windowed OFDM

FEC Coding: Turbo Code Rate $\frac{1}{2}$ or Rate 16/21 (punctured)

Individually controlled subcarriers: 2880

Maximal transmission distance: Theoretically 900m of plain coaxial cable (not tested)

Encryption mode: 128-bit AES encryption

Power:

Power supply: 24VDC – Passive PoE on ETH1

Power consumption: <6W

Dimension:

Dimensions: 155 (L) x 85 (W) x 45 (H)

Operating Temperature: 0 ~ 40 °C

Storage Temperature: -10 ~ 55 °C