

# Kit Carson Electric Coop Typical Hub Hub Design

RF DS x4 from EQAM



DS Tx ITU 31, 33, 35, 37  
(1550nm)



4 wavelengths on one fiber from  
Tx to Fixed Gain EDFA 10dB  
Gain per wavelength

3 fibers per  
node, 4 nodes  
served

4 wavelengths  
demuxed from one  
fiber from EDFA to  
4 fibers, one per  
node



1550nm DS x4

Receiver 2/blade 40 avail



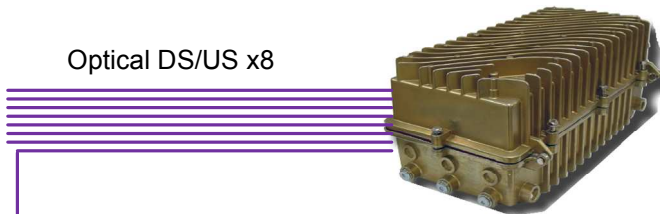
1310nm US x4

1310nm US x4

RF US x8 to CMTS

1 fiber for DS, 2  
fibers for US

Optical DS/US x8



Cascade BOS Taps to 32 HP  
per Fiber

Distributed  
Tap



MicroNode  
Optical to RF

Coaxial RF  
Cable to  
subscriber  
CPE

