

Open OSP Cell Site Gateway Router

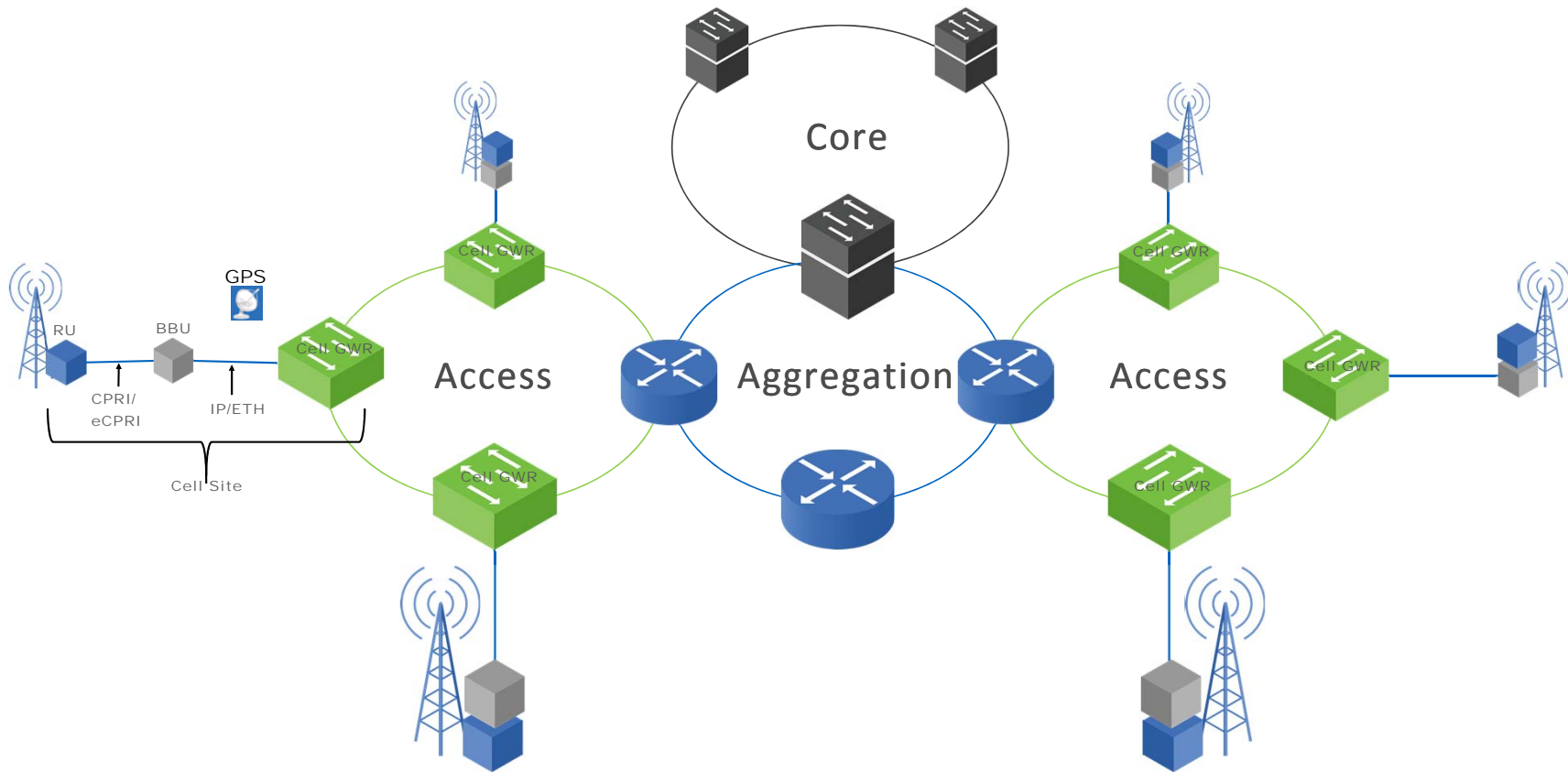


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Cell Site Gateway Router Use Case



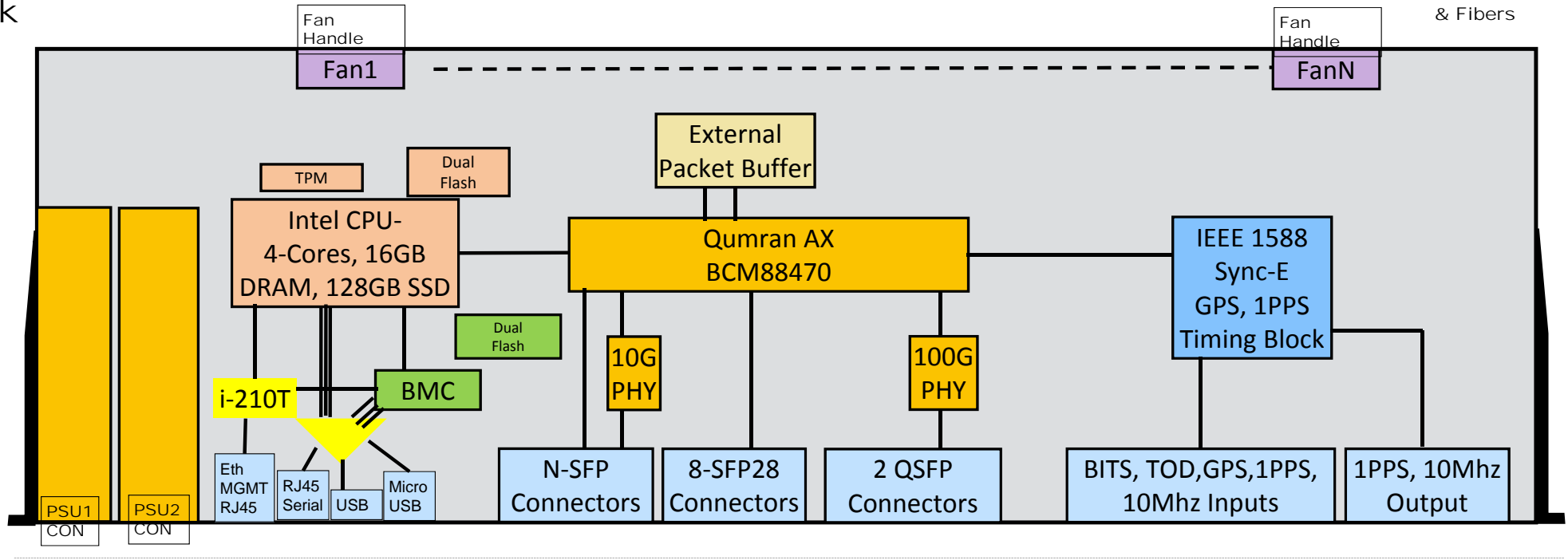
Major Requirements

- The Outdoor Small Cell Gateway Router is temperature hardened router meeting TP76200 requirements designed to operate in a GR-3108 Class 2 OSP (Out Side Plant) cabinet (NEBS Level 3) for Cell Site Backhaul
 - Operating Temperature range (-40C to + 65C)
 - Physical Dimension: 1RU, 19", shallow depth.
 - Front to Back Air flow. Front access to power and ports.
 - Removal, Hot Swappable Fans and PSU modules. 1+1 Redundant DC PSU.
 - Circuitry to support 1588V2 and SyncE with T-GM, T-TSC, T-TC, T-OC, T-BC support.
 - Supports local input: GPS, TOD, T1/E1-BITS, 1PPS, 10Mhz, and output: 1PPS, 10Mhz.
 - Support up to 2x100G QSPF28 ports, 8x25G SFP28 ports, and N {10G, 1G, 100M} SFP/SFP+ ports
 - MACSEC Support for up to 2x100G including MACSEC dot1q-in-the-clear (Optional)
 - OnBoard BMC with dual flash for remote field upgrade
 - Intel x86 CPU with TPM and dual flash for remote field upgrade
 - Broadcom Qumran-AX MAC with Deep buffer.
 - Circuitry to support for up to 80km optics for 10G and ER4 for 100G.

High-Level Block Diagram

Shallow Depth to fit in Class 2 OSP Cabinet Including Clearance for Cables & Fibers

Back



Front

Fit in 19" cabinet

Front Mounting Ears

Q&A:

Thank You



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