



Ask the PTP Team Anything

PTP 850E

Full Outdoor, Compact, all IP, E-band

Radio

71 - 86GHz

512 QAM, 2000MHz

10 Gbps in a box

Radio Variation

Connectorized – Direct Mount

Integrated Flat Panel Antenna
(ETSI/FCC)



Configurations

1+0, 1+1 HSB* and 2+0 XPIC*

QSFP (40 GE Port)

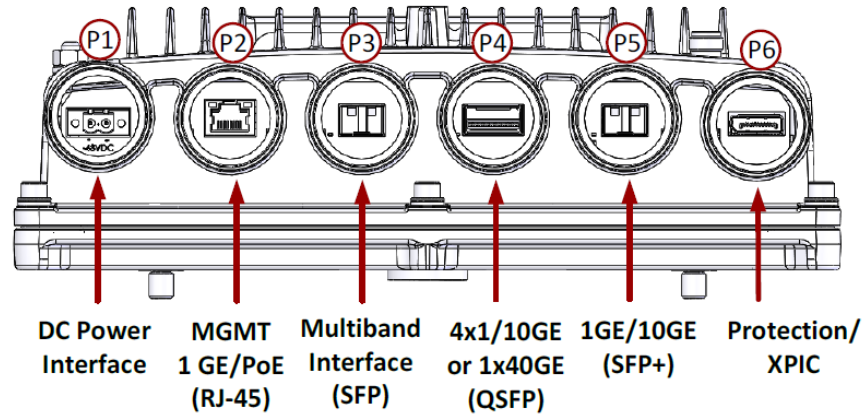
SFP+ Port

Multi-band (E-band & MW)

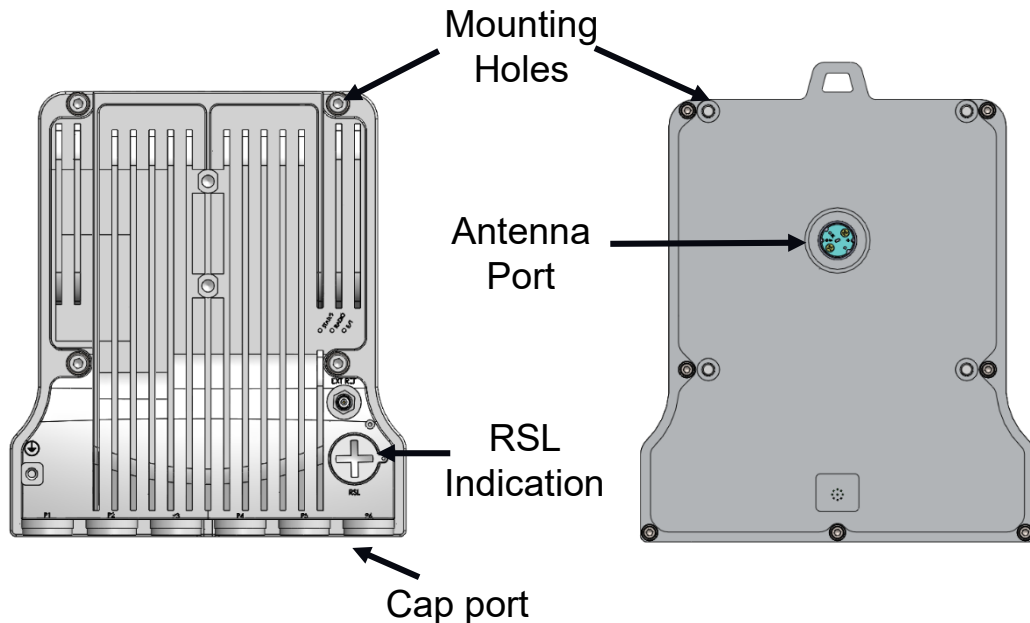
High Capacity

250 MHz	500 MHz	1000 MHz	2000 MHz
2 Gbps @512QAM	4 Gbps @512QAM	6 Gbps @256QAM	10 Gbps @128 QAM

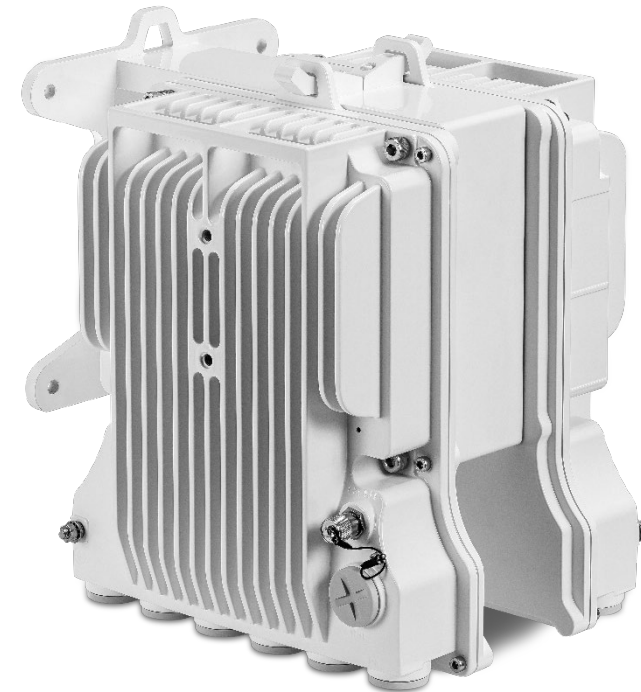
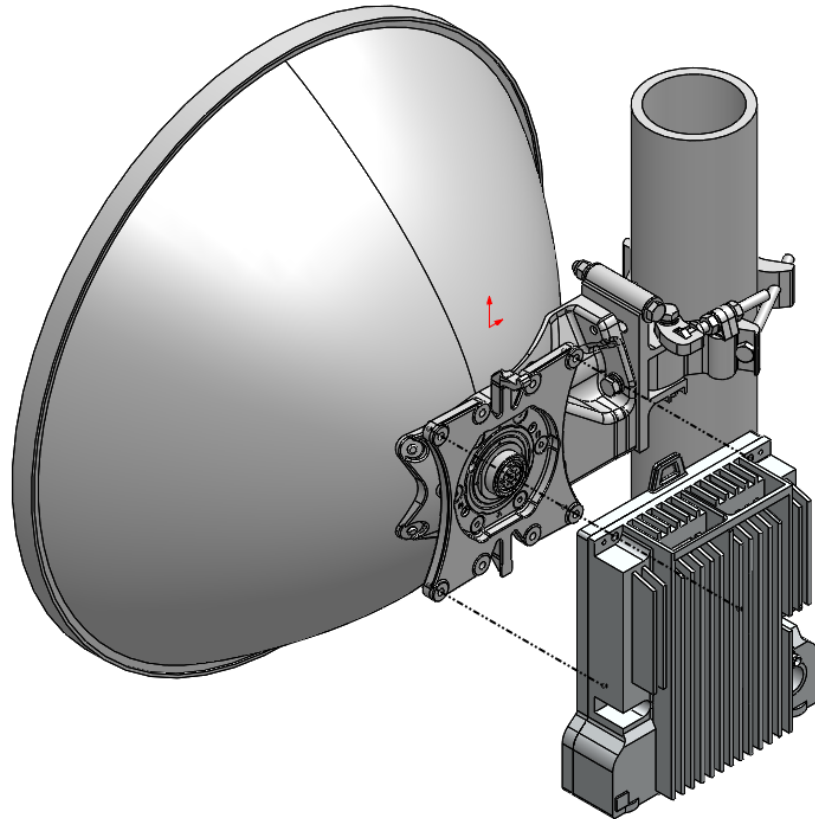
PTP 850E Interface



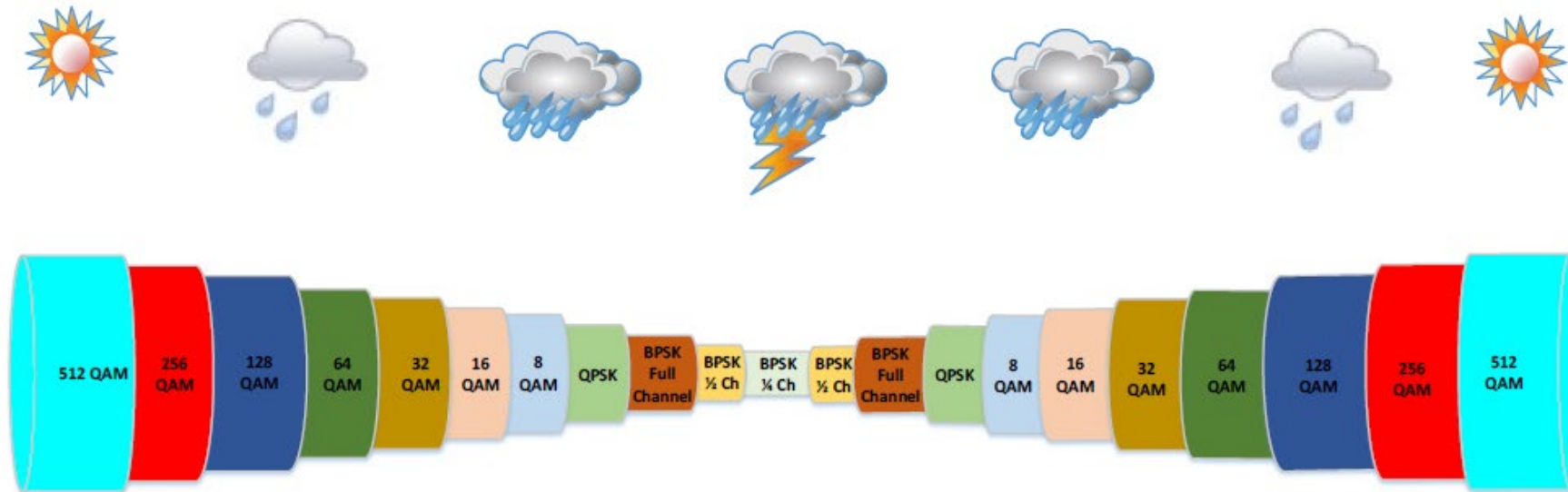
- Port 1
 - Power Interface (-48V)
- Port 2
 - 10/100/1000Base-T RJ-45
 - Management port (no traffic)
 - PoE
- Port 3
 - SFP cage which supports SFP standard
 - 1/2.5GE MultiBand port (user-configurable)
- Port 4
 - QSFP cage which supports QSFP standard
 - 4x1GE/10GE or 1x40GE Eth traffic (user configurable)
 - Option for SFP or SFP+ (1x10GE) with adaptor
- Port 5:
 - SFP cage which supports SFP+ standard
 - 10GE Eth traffic
- Port 6
 - External Connection – Used for XPIC and HSB protection.



Supported Configurations (1+0, 1+1, 2+0)



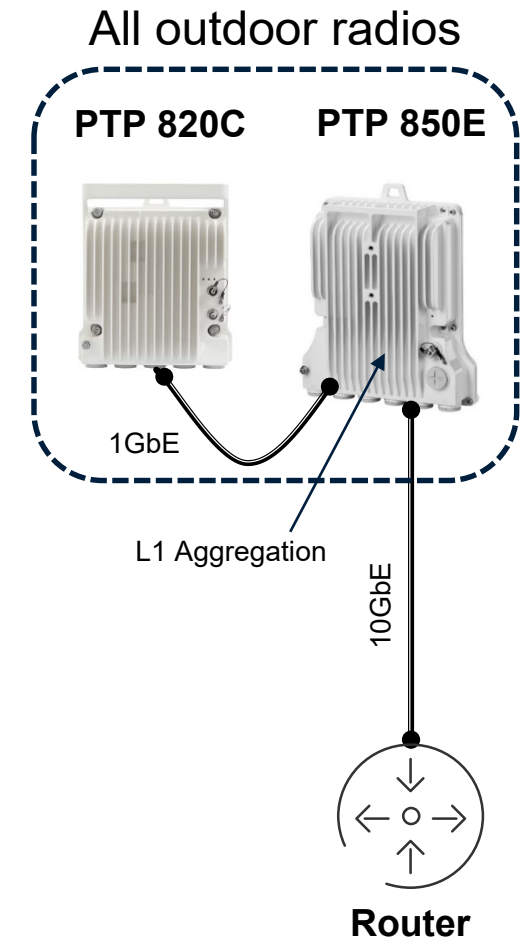
Adaptive Coding Modulation and Bandwidth (ACMB)



- ACMB is an enhancement of ACM
 - Provides further flexibility to mitigate fading at BPSK by reducing the channel spacing to one half or one quarter of the original channel bandwidth when fading conditions make this appropriate.
 - ACMB mechanism copes with 100 dB per second fading in order to ensure high transmission quality.

Multiband Support

- Combine MW and mmW for high capacity and high availability on single antenna
- Total capacity of 10Gbps
- Combine 2 MW carriers and 1 mmW carrier with 2 units.
- Support PTP 820C, PTP 820S and 3rd party MW and Fibers equipment



Sub 6 PTP Product Portfolio



PTP 550
Multicore



PTP 670



PTP 700



PTP 450b



PTP 450b
High Gain



PTP 450i



PTP 450



ePMP
Force 300-19R



ePMP
Force 300-25



ePMP
Bridge-in-a-Box

Licensed Microwave Product Portfolio

All Outdoor



PTP 820S



PTP 820C
Multicore



PTP 820C-HP
Multicore



PTP 820E



PTP 850E

Split Mount & All Indoor



RFU-C



RFU-A
All Indoor



PTP 820G



RFU-D



RFU-D-HP



RFU-S



RFU-E



PTP 820F

