Integrated Small Cell

- Development board for host processor, modem, and RF transceiver
- Enablement to jump-start customer development
- 4T4R, 100 MHz IBW/OBW, mid-power RF
- Outdoor integrated radio, specifically 1 W to 20 W per channel
- PoE up to 10 W per channel
- 1PPS synchronization between host CPU, baseband CPU, and RF transceiver
- All-in-one box in which the CU/DU/RU exist as a single unit
- Power- and cost-efficient
- Example deployment use cases: streets, sports venues, hotspots, 5G densification, enterprises, private networks, college campuses, and others

Company	Technology Offers	Critical Components
ANALOG DEVICES	Integrated transceiver with CFR and DPD for 4T4R, <6GHz, <200MHz	ADRV9029 – Transceiver
LATTICE SEMICONDUCTOR	Low power programmable logic with PCIe and JESD204B	CertusPro NX - FPGA
NXP	Host processor, 5G baseband modem (optional)	LX2160 – Layerscape Processer LA1235 –5G Baseband Processor

