JET DUO
Software Defined Sector

Double existing network capacity with no additional spectrum or towers!

JET DUO is a 5Ghz PtMP base station with a superior beamforming antenna that provides up to 1.5Gbps in densely populated areas. Providing unparalleled interference immunity for wide area coverage, this solution delivers reliable, high-quality services for both SLA business and residential customers.

JET DUO is the first ever base station to enable configurable sector width capabilities through its innovative **Software Defined Sector** (SDS) feature. With SDS, network owners have the flexibility to choose from three sector widths of 90°, 60° or 45°, assuring minimal investment for initial coverage while securing future capacity growth.

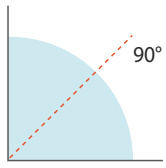
Utilizing JET DUO beamforming antenna, SDS enables frequency channel reuse of up to 4 times per site. Upon demand, network owners can reconfigure their JET DUO sector width from 90° to 45°, add additional JET DUO units and double sector or site capacity. JET DUO site with SDS serves twice the number of customers without the need for additional spectrum and without the expense associated with adding new towers.

The SDS feature is available in JET DUO 5GHz base station using firmware 5.1.44 and above.

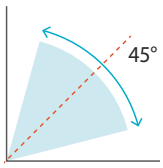
Network operator benefits:

- Double spectrum efficiency of up to 32bps/Hz/cell
- No need for additional spectrum or new towers
- No requirement for Subscriber Unit truck rolls!

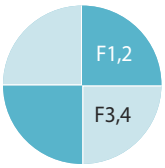
Site capacity (Gbps) @4 x 40MHz

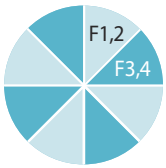


90° sector width



45° sector width





4 sector site		8 sector site
2.6Gbps		5Gbps
512 customers		1024 customers

F1, F2, F3, F4 - Frequency Channels

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