

# CWS-2050 OUTDOOR MULTI-G BASE STATION



## CWS-2050

Multi-Technology (3G, 4G) multicarrier base station with integrated flexible backhaul

### KEY FEATURES

- Self-configuring, self-optimizing, and self-managing via Near-RT RIC
- Multiple backhaul options for increased flexibility
- Voice and Data over both 3G and 4G

### KEY BENEFITS

- Cost-effective, resilient coverage outdoors
- Lower overall TCO
- Simple and flexible deployment

## OVERVIEW

The Converged Wireless System (CWS) CWS-2050 is a software-defined, multi-technology, multi-carrier node that can operate both as a standalone, All-in-One base station, as well as a Remote-Radio-Head (RRH) connected to Parallel Wireless's Virtualized Baseband Unit solution (vBBU).

CWS supports 3G/UMTS and 4G/LTE in the same unit, simplifying deployments while driving down overall deployment costs, while offering operators a cost-effective voice and data solution.

The CWS is specifically designed for:

- Improving outdoor coverage in coverage not-spots and add capacity in high density urban environments
- Providing cost-optimized coverage in rural areas

CWS-2050 is auto-configured and managed by the Parallel Wireless Near-RT RIC, without the need for specialized staff on site. The Near-RT RIC makes the CWS nodes self-configurable, self-optimizing via real-time SON on Near-RT RIC, and also provides resilience and self-healing with dynamic re-routing and enables backhaul meshing between the nodes using licensed or unlicensed spectrum. SON on the Near-RT RIC actively manages and monitors CWSs.

## KEY FEATURES AND CAPABILITIES

- Fully 3GPP-compliant 3G (UMTS), and/or 4G (LTE) coverage
- Plug-n-Play
- Carrier-grade security
- Centralized SON-based via Near-RT RIC



CATEGORY

CAPABILITY

<b>Technology</b>	<ul style="list-style-type: none"> <li>• 3G/UMTS (in relevant bands)</li> <li>• 4G/LTE</li> </ul>
<b>Bands</b>	<ul style="list-style-type: none"> <li>• 1</li> </ul>
<b>Channel Bandwidth</b>	<ul style="list-style-type: none"> <li>• LTE – 5/10/15/20MHz</li> </ul>
<b>Technology Combinations</b>	<ul style="list-style-type: none"> <li>• 3G + 3G</li> <li>• 3G + 4G</li> <li>• 3G + 4G</li> </ul>
<b>Tx Power</b>	<ul style="list-style-type: none"> <li>• 2 x 20W (2 x 43dBm)</li> </ul>
<b>Input Voltage</b>	<ul style="list-style-type: none"> <li>• -37VDC to -57VDC</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C – 55°C / -40°F – 131°F</li> </ul>
<b>Antenna</b>	<ul style="list-style-type: none"> <li>• Any external antenna</li> </ul>
<b>Cooling</b>	<ul style="list-style-type: none"> <li>• Convection (fanless)</li> </ul>

For more information, please reach out to [orders@parallelwireless.com](mailto:orders@parallelwireless.com)

