<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th>ECM-P5G-A26R150, 5 GHz point-to-point unit, net throughput up to 1000 Mbps, integrated dual-pol antenna, 26 dBi, 8x8 deg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net throughput</strong></td>
<td>up to 1000 Mbps</td>
</tr>
<tr>
<td><strong>Recommended distances</strong></td>
<td>up to 40 km</td>
</tr>
<tr>
<td><strong>Radio technology</strong></td>
<td>MIMO 2x2, Cyclic single carrier</td>
</tr>
<tr>
<td><strong>Modulation coding schemes</strong></td>
<td>from QPSK 1/4 to QAM256 30/32</td>
</tr>
<tr>
<td><strong>Transmit power</strong></td>
<td>up to 22 dBm</td>
</tr>
<tr>
<td><strong>Receiver sensitivity</strong></td>
<td>down to -93 dBm</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>4900-6000 MHz</td>
</tr>
<tr>
<td><strong>Channel width</strong></td>
<td>2x10, 2x20, 2x40 MHz</td>
</tr>
<tr>
<td><strong>Center frequency adjustment step</strong></td>
<td>1 Mhz</td>
</tr>
<tr>
<td><strong>Duplex scheme</strong></td>
<td>TDD, Hybrid-FDD</td>
</tr>
<tr>
<td><strong>Antenna</strong></td>
<td>26 dBi</td>
</tr>
<tr>
<td><strong>Wired Interfaces</strong></td>
<td>2x GigabitEthernet, SFP</td>
</tr>
<tr>
<td><strong>Consumption</strong></td>
<td>up to 55 W</td>
</tr>
<tr>
<td><strong>Power options</strong></td>
<td>90-240 VAC @ 50/60 Hz, 43..56 VDC</td>
</tr>
<tr>
<td><strong>Outdoor Unit (ODU)</strong></td>
<td>371 x 371 x 89 mm, 3.3 kg</td>
</tr>
</tbody>
</table>
Features

**RADIO**

- **Best-in-breed spectral efficiency**
  - up to 14 bps/Hz
- **Flexible frequency planning**
  - utilizing two non-adjacent frequency channels
  - support of TDD and Hybrid-FDD
- **Reliable signal receiving in both LOS and NLOS conditions**
- **TDD synchronization using a built-in GNSS receiver**

**NETWORKING**

- **Built-in full-fledged L2 switch supporting VLAN and STP**
- **Transparent L2 transport for Ethernet traffic of any type**
- **Timing transport using precision time protocol (IEEE 1588v2) support**
  - transparent clock mode supported

**MANAGEMENT FEATURES**

- **Web-based graphical user interface**
- **Command line interface**
- **SNMP v1/2c/3 support (MIB-II and proprietary MIBs)**
- **Centralized monitoring**

**QUALITY-OF-SERVICE**

- **QoS support**
  - 4 priority queues: strict and weighted prioritisation
  - Classification based on IEEE 802.1p
  - Egress rate limiting on each network port

**INSTALLATION AND DIAGNOSTIC TOOLS**

- **LED indication**
  - power status
  - wired and wireless link status
  - received signal strength indication
  - TDD sync status
- **Web GUI tools**
  - antenna alignment tool
  - spectrum analyzer

**ENVIRONMENTAL**

- **Outdoor unit:**
  - Operating temperature range –40..+60º C
  - IP66/IP67 compliant water and dust protection
- **Indoor unit:**
  - 90-240 VAC @ 50/60 Hz or ±43..±56 VDC
  - Power consumption up to 60 W

**STANDARD COMPLIANCE**

- **Safety:**
  - EN 60950-1:2006, UL 60950-1 2nd ed.
- **Radio (pending):**
  - EN 301 893 v.1.8.1, EN 302 502, v.1.2.1, FCC part 15.247
- **EMC:**
  - ETSI EN 301 489-1, ETSI EN 301 489-17, FCC Part 15 Class B
- **RoHS:**
  - Directive 2011/65/EU