Intel® Wireless Gigabit Sink W13110VR

Product Description

The Intel® Wireless Gigabit Sink W13110VR is an Intel® WiGig 802.11ad wireless VR module. It works with the Intel® Wireless Gigabit 11000 VR in client devices to deliver Intel® Wireless Gigabit VR, a wire-like wireless VR experience. Using the implementation of the WiGig Serial Extension standard and its built-in hardware, the Intel® Wireless Gigabit Sink W13110VR supports a native USB 3.0 interface.

The Intel® Wireless Gigabit Sink W13110VR interfaces with 2 Intel® Wireless Gigabit Antenna-M 10101R modules to provide better coverage for great wireless VR experience. Selecting the best Antenna Array to use, the Intel® Wireless Gigabit Sink W13110VR can assure the connected HMD will maximize its throughput and optimize its power consumption.

Designed as host less component the Intel® Wireless Gigabit Sink W13110VR requires no interaction with an HMD host SOC, minimizing the BOM count and cost of the wireless VR HMD design and easing the integration of Intel® Wireless Gigabit VR capabilities.

<table>
<thead>
<tr>
<th>Intel® Wireless Gigabit Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless VR (HMD Side)</td>
</tr>
<tr>
<td>Allows wire-equivalent quality for VR head mounted display connectivity, low-latency motion devices, and camera located inside the HMD.</td>
</tr>
<tr>
<td>WiGig Serial Extension (WSE)</td>
</tr>
<tr>
<td>WiGig Wireless Serial Extension, for efficient, native USB 3.0 transfers including Bulk and Isochronous</td>
</tr>
</tbody>
</table>

### Intel® Wireless Gigabit-Sink W13110VR Module Specifications

- **Dimensions (H x W x D):** M.2 4230: 42 mm x 30 mm x 2.6 mm [1.5mm Max (Top Side)/ 0.1mm Max (Bottom Side)]
- **Weight:** 5.16g
- **Radio ON/OFF Control:** Hardware Support
- **Connector Interface:** M.2 Key G (User Defined)
- **LEDs & GPIO Support:** Interface to Intel® Wireless Gigabit-Antenna M10101 Module using X-FL (single coax cable to carry power, IF and control), up to 2 modules
- **Driving:** 2 LEDs or Multicolor LED with 4 states, Recovery button, Activity button with configurable action
- **Operating Temperature (Adapter Shield):** 0º to +80º C
- **Humidity Non-Operating:** 50% to 90% RH non-condensing (at temperatures of 25ºC to 35ºC)
- **Operating Systems:** None
- **Wi-Fi Alliance:** N/A
- **IEEE WLAN Standard:** 802.11ad

### Intel® Wireless Gigabit-Antenna M10101R Module Specifications

- **Dimensions (H x W x D):** 7mm x 19.3 mm x 1.8 mm
- **Weight:** 1g
- **Connector Interface:** X-FL
- **Operating Temperature (Adapter Shield):** 0º to +80º C
- **Humidity Non-Operating:** 50% to 90% RH non-condensing (at temperatures of 25ºC to 35ºC)
For more information on Intel® Wireless products, visit intel.com/wireless

Tests document performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase. For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system.

Intel technologies’ features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at intel.com, or from the OEM or retailer. No computer system can be absolutely secure. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the United States and/or other countries.

*Other names and brands may be claimed as the property of others

© Intel Corporation.

337079-001