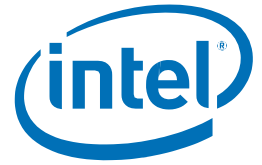




PRODUCT BRIEF

Intel® Wireless Gigabit Sink W13100
 WiGig (802.11ad) Wireless Dock Module
 Intel® Wireless Gigabit Antenna-M 10041R
 WiGig (802.11ad) Antenna Module



Intel® Wireless Gigabit Sink W13100

Intel® Wireless Gigabit Antenna-M 10041R



Intel® Wireless Gigabit Sink W13100



Intel® Wireless Gigabit Antenna-M 10041R

Product Description

The Intel® Wireless Gigabit Sink W13100 is a WiGig (802.11ad) wireless dock on a module. It works with the Intel® Tri-Band Wireless-AC 17265 in client devices to deliver Intel® Wireless Gigabit Docking, a wire-like wireless docking experience. Using the implementation of WiGig Display Extension and WiGig Serial Extension standards and its built-in hardware, the Intel® Wireless Gigabit Sink W13100 supports Display Port++, USB 3.0 interfaces with an I²S interface for stereo audio.

The Intel® Wireless Gigabit Sink W13100 interfaces to up to 2 Intel® Wireless Gigabit Antenna-M 10041R modules to provide better coverage for great on desk wireless docking experience. Selecting the best Antenna Array to use, the Intel® Wireless Gigabit Sink W13100 can assure the connected device will maximize its throughput and optimize its power consumption.

Designed as no host component the Intel® Wireless Gigabit Sink E13100 needs no interaction with an on-dock host, minimizing the BOM count and cost of the wireless docking station design and easing the integration of Intel® Wireless Gigabit Docking capabilities into devices like monitors, KVMs, storage devices, etc.

Intel® Wireless Gigabit	Benefits
Wireless Docking (Dock Side)	Allows wire-equivalent quality for up to 2 Full HD displays, low latency Human Interface (HID) devices, and multi-Gbps IO for on-desk productivity experience.
Display Port ++	DP++ and Multi Stream Technology (MST) capable of driving HDMI1.4a interface or two DisplayPort 1.2, up to HBR1 (2.7Gbps). no support of HDCP.
USB 3.0	Integrated xHCI
I2S Audio	Can be configured for either I ² S Audio or S/PDIF
WiGig Serial Extension (WSE)	WiGig Wireless Serial Extension, for efficient, native USB 3.0 transfers including Bulk and Isochronous
Remote Wake	Wake the client in Windows S3 from the Wireless Docking station's activity button
WPS Pairing	Allow secured PIN based or Push button based WPS pairing
Dock Management (via client)	Dedicated, user-friendly Intel® Wireless Gigabit Dock Manager Utility on the client to configure the dock settings (password protectable)
Dock Lock	Use a whitelist to allow OEM's control of client-dock connectivity capabilities



Intel® Wireless Gigabit Sink W13100 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). Interface to Intel® Wireless Gigabit-Antenna M10041 Module using X-FL (single coax cable to carry power, IF and control), up to 2 modules
LEDs & GPIO Support	Driving 2 LEDs or Multicolor LED with 4 states, Recovery button, Activity button with configurable action
Operating Temperature (Adapter Shield)	0° to +80° C
Humidity Non-Operating	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)
Operating Systems	None
Wi-Fi Alliance	N/A
IEEE WLAN Standard	802.11ad

Intel® Wireless Gigabit-Antenna M10041R Module Specifications

Dimensions (H x W x D)	9mm x 25.00 mm x 2.45 mm
Weight	1g
Connector interface	X.FL
Operating Temperature (Adapter Shield)	0° to +80° C
Humidity Non-Operating	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)

Product Name	Model Number	Version
Intel® Wireless Gigabit Sink W13100	13100.NGWG	802.11ad (Channels 1,2,3) dock on module, M.2 3042 Key-G
Intel® Wireless Gigabit Sink W13100	13100.NGW LCG	802.11ad (Channels 2,3) dock on module, M.2 3042 Key-G
Intel® Wireless Gigabit Antenna M10041R	10041.RFWG	802.11ad radio module

For more information on Intel® Wireless products, visit intel.com/wireless

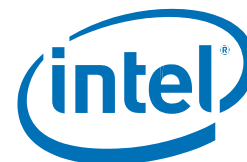
Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

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