PRODUCT BRIEF

Intel® Tri-Band Wireless-AC 17265

WiGig (802.11ad) & Wi-Fi (802.11ac/agn) + Bluetooth* Combo Module

Intel® Wireless Gigabit Antenna-M 10041R

WiGig (802.11ad) Antenna Module

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Product Description

The Intel® Tri-Band Wireless-AC 17265 delivers high-speed, 60 GHz WiGig (802.11ad) wireless docking connectivity for mobile client device (2 in 1, tablet, laptop) with up to 4.7 Gbps of bidirectional throughput. It's available in the M.2 Type 3030 form factor combined with the dedicated Intel® Wireless Gigabit Antenna-M 10041R antenna module. Complemented with the Intel® Wireless Gigabit Sink-M 13100, it enables wire-equivalent user experience for wireless docking, peripherals access and device-to-device communications.

The Intel® Tri-Band Wireless-AC 17265I also includes Intel® Dual Band Wireless-AC 7265 for 802.11ac, dual-band, 2×2 Wi-Fi + Bluetooth* connectivity for Wi-Fi speeds up to 867 Mbps[1], higher capacity, broader coverage and longer battery life. Intel® Tri-Band Wireless-AC 17265 supports innovative Intel-only features including Intel® Wireless Gigabit Docking, Intel® Wireless Display and Intel® vPro™ Technology.

Intel® Wireless Gigabit (802.11ad)	Benefits
Wireless Gigabit Docking (Client)	Allows wire-equivalent quality for up to two full HD displays, low-latency human interface (HID) devices, and multi-Gbps IO for on-desk productivity experience.
Wireless Access to Peripherals	Enables wire-free multi-Gbps connectivity for any USB 3.0 device, such as storage or HD camera that is WiGig-enabled or connected to a Wireless Gigabit dock station
Device to Device	Allows multi-Gbps connectivity between devices
WiGig Display Extension (WDE)	WiGig Wireless Display Extension, for visually-lossless, low latency, robust video and HD audio
WiGig Serial Extension (WSE)	WiGig Wireless Serial Extension, for efficient, native USB 3.0 transfers including Bulk and Isochronous
Client Dock Management	Dedicated, user-friendly Intel® Wireless Gigabit Dock Manager utility on the client to configure the dock settings (password protectable)
Dock Lock	Whitelist to allow OEM's control of client-dock connectivity capabilities.

Intel Dual Band Wireless-AC 7265 (802.11ac + Bluetooth)	Benefits
More Speed Better Coverage Larger Capacity **802.11ac, Dual Band, 80 MHz, 2×2**	Delivers dramatically faster Wi-Fi speeds (up to 867 Mbps[1]) than 802.11n, with more bandwidth per stream 433 Mbps), more capacity for more users (extended channel bonding 80 MHz), broader coverage and better battery life (more data transmit efficiencies reduces power consumption).
Bluetooth 4.0* Smart Ready (Low Energy)	Dual-mode Bluetooth 4.0* connects to the newest low-energy Bluetooth* products, as well as your familiar devices, such as headsets, keyboard, mice and more.

Experience the Intel Difference	
Wire-Like Desktop Connectivity **Intel® Wireless Gigabit Docking**	Allows wire-equivalent quality for up to two full HD displays, low-latency human interface (HID) devices, and multi-Gbps IO for on-desk productivity experience. Enables seamless connectivity to desktop devices and the Intel® Wireless Gigabit Dock Manager to easily configure Intel® Wireless Gigabit Docking from the client.
Intel® vPro™ Technology[2]	Supports Intel's hardware-based security and management features built into Intel® Core™ vPro™ processors and chipsets that enables IT to manage PCs virtually anywhere, anytime while reducing deployment costs, improving security and ROI.
Intel® Active Management Technology[3]	Using integrated platform capabilities and popular third-party management and security applications, Intel® AMT allows IT or managed service providers to better discover, repair, and protect their networked computing assets. Intel AMT is a feature of Intel® Core™ processors with Intel® vPro™ technology.
Intel Location Based Service[4]	Enables seamless and accurate Wi-Fi indoor location service for employees to see campus maps with reference to their location, locate the nearest resource (printer, conference, room, elevator, etc.), or for asset tracking.

Intel® Tri-Band Wireless-AC 17265 Module Specifications	
Dimensions (H x W x D)	M.2 3030: 30 mm × 30 mm × 2.4 mm [1.5mm Max (Top Side)/ 0.1mm max (bottom side)]
Weight	3.7gr
Wi-Fi Diversity	Supported

Radio ON/OFF Control	Supported in both hardware and software. One HW control is shared between Wi-Fi and WiGig, another one is dedicated for Bluetooth
Connector interface	M.2 Key 1-DP: 2xPCIe, USB, DP. Interface to Intel® Wireless Gigabit-Antenna M10041 Module using X-FL (single coax cable to carry power, IF and control)
LED Output	On/Off
Operating Temperature (Adapter Shield)	0º to +80°C
Humidity Non-Operating	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)
Operating Systems	Microsoft Windows 7*, Microsoft Windows 8.1* with connected standby
Wi-Fi Alliance	Wi-Fi CERTIFIED* for 802.11ac, Wi-Fi CERTIFIED* a/b/g, Wi-Fi CERTIFIED* n, WMM*, WPA*, WPA2*, and WPS, WPS 2.0, Protected Management Frames, Wi-Fi Direct* for peer to peer device connections.
IEEE WLAN Standard	IEEE 802.11abgn, 802.11ac, 802.11ad, 802.11d, 802.11e, 802.11i, 802.11h, 802.11w
Bluetooth*	Dual Mode Bluetooth* 2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0 (BLE)

Intel® Wireless Gigabit Antenna-M10041R Module Specifications

Dimensions (H x W x D)	9 mm × 25 mm × 2.45 mm
Weight	1g
Connector interface	X.FL
Operating Temperature (Adapter Shield)	0º 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® Tri-Band Wireless-AC 17265	17265.NGWG	802.11ad (Channels 1,2,3), 802.11ac 2x2, Bluetooth 4.0, M.2 3030 1-DP
Intel® Tri-Band Wireless-AC 17265	17265.NGWG.RF	802.11ad (Channels 1,2,3), RF Exposure (portable hand held devices), 802.11ac, 2x2, Bluetooth 4.0, M.2 3030 1-DP
Intel® Tri-Band Wireless-AC 17265	17265.NGWLCG	802.11ad (Channels 2,3), 802.11ac, 2x2, Bluetooth 4.0, M.2 3030 1-DP
Intel® Tri-Band Wireless-AC 17265	17265.NGWLCG.RF	802.11ad (Channels 2,3), RF Exposure (portable hand held devices), 802.11ac, 2x2, Bluetooth 4.0, M.2 3030 1-DP
Intel® Tri-Band Wireless-AC 17265	17265.NGWLCG.RFS	802.11ad (Channels 2,3), RF Exposure (portable hand held devices), 802.11ac, 2x2 SAR compatible, Bluetooth 4.0, M.2 3030 1-DP
Intel® Wireless Gigabit Antenna M10041R	10041.RFWG	802.11ad radio module

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[1] Based on the theoretical maximum bandwidth enabled by 2x2 802.11ac implementations. Actual wireless throughput and/or range will vary depending on your specific operating system, hardware and software configurations. Check with your PC manufacturer for details.
[2] Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: http://www.intel.com/technology/vpro
[3] Requires activation and a system with a corporate network connection, an Intel® AMT-enabled chipset, network hardware and software. For notebooks, Intel® AMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Results dependent upon hardware, setup & configuration. For more information, visit http://www.intel.com/technology/platform-technology/intel-amt
[4] Intel Location Based Service requires selected Intel wireless adapters and Intel® PROSet/Wireless WiFi Software v15.6 or later on Intel® 4th Gen Core processor-based PCs only.

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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