HAUTESPOT™ Networks
Wireless Broadband Solutions

HauteSpot Networks Manufactuered Products

PERFORMANCE →

	STANDARD PRODUCTS								SPECIALTY PRODUCTS		
	HR-WRAPSX	**HR-WRAPSXi**	**HR-WRAPDX**	**HR-WRAPDXi**	**HR-IXPSXP (HR-IXPBXP Gov and export)**	**HR-IXPSXPs**	**HR-IXPDX**	**HR-IXPSXPi**	**HR-IXPSXPi-SD (HR-IXPBXPi-SD Gov and export)**	**HR-IXPSX-WIND**	**HR-MobiTow**
Description	Highly configurable, single radio Outdoor router with moderate performance	Highly configurable, single radio Indoor router with moderate performance	Highly configurable, dual radio Outdoor router with moderate performance	Highly configurable, dual radio Indoor router with moderate performance	High performance single radio Outdoor streaming media wireless bridge	High performance single radio Outdoor streaming media wireless bridge with Serial Over IP and Antenna Diversity	High performance general purpose dual radio Outdoor wireless router, repeater, base station, bridge	High performance single radio Indoor streaming media wireless bridge	High performance Indoor streaming media wireless bridge with integrated MPEG2 SD encoder and streaming server	Wireless Outdoor weather station for long range applications	Free standing portable 24' tall mobile tower
Throughput	24 Mbps TCP/IP	24 Mbps TCP/IP	24 Mbps TCP/IP	24 Mbps TCP/IP	65 Mbps TCP/IP	65 Mbps TCP/IP	200Mbps TCP/IP aggregate	65 Mbps TCP/IP	65 Mbps TCP/IP	36 Mbps TCP/IP	
Applications	**Moderate Density and Performance** Access Point, Singleband Repeater, P2P Bridge, WDS Mesh Node, Client Bridge, Wireless Router, Host Controller. Interoperates with any 802.11 equipment.	**Moderate Density and Performance** Access Point, Multiband Repeater, P2P Bridge, WDS Mesh Node, Client Bridge, Wireless Router, Host Controller. Interoperates with any 802.11 equipment.	**Moderate Density and Performance** Access Point, Multiband Repeater, P2P Bridge, WDS Mesh Node, Client Bridge, Wireless Router, Host Controller. Interoperates with any 802.11 equipment.	**Moderate Density and Performance** Access Point, Multiband Repeater, P2P Bridge, WDS Mesh Node, Client Bridge, Wireless Router, Host Controller. Interoperates with any 802.11 equipment.	**High Performance P2P Streaming Media** Bridge for HD or SD video or high capacity VoIP switches/gateways. Ideal for SCADA applications where low latency is required. Order in pairs or use as base station to HR-IXPSXPi-SD	**High Performance P2P Streaming Media** Bridge for HD or SD video or high capacity voice over IP. Use with external encoders or VoIP switches/gateways. Ideal for SCADA applications. This mobile applications or links that are partially obstructed. Serial over IP support for remote control applications. Order in pairs or use as base station to HR-IXPSXPi-SD	**High Density and Performance** Access Point, Multiband Repeater, P2P Bridge, WDS Mesh Node, Client Bridge, Wireless Router. Interoperates with any 802.11 equipment or HauteLine backhaul and transitions between HauteLine backhaul and 802.11 distribution/access.	**High Performance** P2P Streaming Media Bridge for HD or SD video or high capacity voice over IP. Use with external encoders or VoIP switches/gateways. Ideal for SCADA applications where low latency is required. Serial over IP support for remote control applications. Order in pairs or use as base station to HR-IXPSXPi-SD	**High Performance** P2P Streaming Media Bridge for HD or SD video or high capacity voice over IP. Includes integrated MPEG2 SD D1 video encoder, MPEG1 stereo audio encoder, and multicast streaming engine. Can be used with external encoder as well. Use with HR-IXPSXP or HR-IXPDX as base station.	**Long Range, Wireless Weather Station** with optional integrated camera. Monitors temp, humidity, barometric pressure, wind speed and direction. Compatible with WeatherUnderground. Fully self contained. Use with HR-IXPSX base station. Can run from batteries, solar or other power sources	
Enclosure Options	NEMA 4 IP6/7 waterproof outdoor	lightweight extruded aluminum case for indoors or in vehicles	NEMA 4 IP6/7 waterproof outdoor	lightweight extruded aluminum case for indoors or in vehicles	NEMA 4 IP6/7 waterproof outdoor	NEMA 4 IP6/7 waterproof outdoor	NEMA 4 IP6/7 waterproof outdoor	Lightweight blue sheet metal enclosure. Small enough for camera back or vechile mounting. Can be belt worn too.	Lightweight black extruded aluminum enclosure. Small enough for camera back or vechile mounting. Can be belt worn too.	NEMA 4 IP6/7 waterproof outdoor	
Wireless Interfaces	1	1	2	2	1	1	2	1	1	1	
Frequencies Supported	900MHz 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 1.8GHz (Gov and export only) 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.4GHz (Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 1.8GHz (Gov and export only) 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.4GHz (Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 1.8GHz (Gov and export only) 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.4GHz (Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 1.8GHz (Gov and export only) 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.4GHz (Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	900MHz 2.3-2.5GHz (ISM 2.4GHz, others Gov and export only) 4.9GHz (FCC Part 90Y Public Safety only) 5.0-6.1GHz (NII 5.1-5.8GHz, others Gov and export only)	
Channel Width	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	5,10,20,40MHz	
Modulation	DSSS, OFDM	DSSS, OFDM	DSSS, OFDM	DSSS, OFDM	OFDM	OFDM	DSSS, OFDM	OFDM	OFDM		
Wireless Protocols Supported	802.11a,b,d,e,f,g,h,i Proprietary bonding	802.11a,b,d,e,f,g,h,i Proprietary bonding	802.11a,b,d,e,f,g,h,i Proprietary bonding	802.11a,b,d,e,f,g,h,i Proprietary bonding	HauteLine Streaming Media	HauteLine Streaming Media	802.11a,b,d,e,f,g,h,i HauteLine Streaming Media	HauteLine Streaming Media	HauteLine Streaming Media	HauteLine Streaming Media	
Transmit Gain	900MHz 700mW (28dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	900MHz 700mW (28dBm) 1.8GHz 500mW (27dBm) 4.4GHz 500mW (27dBm) 2.3-2.5GHz 400mW (26dBm) 4.9GHz 400mW (26dBm) 5.1-6.1GHz 400mW (26dBm)	
Receive Sensitivity	900MHz -93dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	900MHz -93dBm 1.8GHz -108dBm 4.4GHz -108dBm 2.3-2.5GHz -96dBm 4.9GHz -94dBm 5.1-6.1GHz -94dBm	
Processor	AMD Geode LX700	AMD Geode LX700	AMD Geode LX700	AMD Geode LX700	Intel Xscale IXP 420 multicore network processor	Intel Xscale IXP 420 multicore network processor	Intel Xscale IXP 425 multicore network processor with cryptographic hardware acceleration	Intel Xscale IXP 420 multicore network processor	Intel Xscale IXP 420 multicore network processor	Intel Xscale IXP 420	
Memory	128MB SDRAM	128MB SDRAM	128MB SDRAM	128MB SDRAM	64MB SDRAM	64MB SDRAM	64MB SDRAM	64MB SDRAM	64MB SDRAM	64MB SDRAM	
Storage	Removable, low cost CompactFlash	Removable, low cost CompactFlash	Removable, low cost CompactFlash	Removable, low cost CompactFlash	High Performance, secure, on-board StrataFlash	High Performance, secure, on-board StrataFlash	High Performance, secure, on-board StrataFlash	High Performance, secure, on-board StrataFlash	High Performance, secure, on-board StrataFlash	High Performance, secure, on-board StrataFlash	
Operating System	HauteRouterOS - High function, non customizable	HauteRouterOS - High function, non customizable	HauteRouterOS - High function, non customizable	HauteRouterOS - High function, non customizable	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	HauteRouteOS - Embedded OS optimized for wireless networking. Highly customizable.	
Other					Includes HauteLine streaming media protocol which eliminates jitter and delay variation.	Includes HauteLine streaming media protocol which eliminates jitter and delay variation.	Includes HauteLine streaming media protocol which eliminates jitter and delay variation.	Includes HauteLine streaming media protocol which eliminates jitter and delay variation.	Includes HauteLine streaming media protocol which eliminates jitter and delay variation. DVD-quality video (30fps@720x480-NTSC, 25fps 720x576-PAL) using MPEG2 standard encoding Broad range stereo audio (32/44.1/48 KHz, 16bit stereo) using MPEG1 layer II standard encoding BNC composite and S-Video video inputs 2 audio channel inputs Streaming using multicast to any MPEG2 decoder including Amino AmiNet100 or VideoLan on PC Optional litium-ion battery pack	The integrated Wind Direction and Speed Sensor, Barometric Pressure Sensor, Temperature and Humidity Sensor are all readable from within the web interface. Control of image acquisition from the optional IP camera is also available through the Web interface. Readings can also be superimposed onto streaming images. Additional sensors for battery life, solar radiation, leaf moisture, gypsum soil sensor and others are available for custom integration.	The towers extend out to 24' and allow for the rapid attachment of any HauteSpot Networks wireless router including the HR-WRAP and HR-IXP series and matching antenna. The super tall black anodized aluminum tower is one of the tallest and most rugged antenna towers available. It will support a maximum load of 22 lbs. At its maximum height, it will support a load of 2.2 lbs without additional bracing or sandbags. Options include sandbags, wheels, battery system, wind bracing guy ropes.
Availability	1 week ARO	1 week ARO	1 week ARO	1 week ARO	1 week ARO	1 week ARO	1 week ARO	1 week ARO	2 weeks ARO	4 weeks ARO	10 weeks ARO
Warranty	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	1 year Parts and Labor	90 days Parts and Labor
Antenna Options	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	
MSRP	$679 outdoor base price	$499 indoor base price	$699 outdoor base price	$649 indoor base price	Call	Call	Call	Call	Call	Call	Call

HAUTESPOT™
Networks
Wireless Broadband Solutions

EnGenius Technologies Manufactuered Products

STANDARD PRODUCTS						
	ECB-3220	**ECB-8610**	**EOC-3220**	**EOC-3220 Plus**	**EOC-3220 EXT**	**EOC-8610**
Description	802.11b/g Low cost indoor high power, value based access point/client bridge	802.11a/b/g Low cost indoor high power, value based access point/client bridge	802.11b/g Low cost Outdoor high power, value based access point/client bridge with integrated 9dBi panel antenna	802.11b/g Low cost Outdoor high power, value based access point/client bridge with integrated 16dBi panel antenna	802.11b/g Low cost Outdoor high power, value based access point/client bridge with removable omni directional antenna	802.11a/b/g Low cost Outdoor high power, value based access point/client bridge with removable omni directional antenna
Throughput	15 Mbps TCP/IP	15 Mbps TCP/IP	15 Mbps TCP/IP	15 Mbps TCP/IP	15 Mbps TCP/IP	15 Mbps TCP/IP
Applications	**Value Priced** Access Point, Client Bridge. 802.11b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes.	**Value Priced** Access Point, Client Bridge. 802.11a/b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes.	**Value Priced** Outdoor Access Point, Client Bridge. 802.11b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes. This model is ideal as remote bridge for client use. Use with EOC-3220 EXT or HR-WRAP as a base station.	**Value Priced** Outdoor Access Point, Client Bridge. 802.11b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes. This model is ideal as remote bridge for client use. Use with EOC-3220 EXT or HR-WRAP as a base station.	**Value Priced** Outdoor Access Point, Client Bridge. 802.11b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes. This model is ideal as a low cost outdoor access point.	**Value Priced** Outdoor Access Point, Client Bridge. 802.11a/b/g operation. High transmit power, high receive sensitivity. Ideal for hotels, motels, offices, or high end homes. This model is ideal as a low cost outdoor access point.
Enclosure Options	Plastic indoor	Plastic indoor	UV resistant PVC plastic enclosure. Weather resistant.	UV resistant PVC plastic enclosure. Weather resistant.	UV resistant PVC plastic enclosure. Weather resistant.	UV resistant PVC plastic enclosure. Weather resistant.
Wireless Interfaces	1	1	1	1	1	1
Frequencies Supported	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Channel Width	20 MHz	20 MHz	20 MHz	20 MHz	20 MHz	20 MHz
Modulation	DSSS, OFDM	DSSS, OFDM	DSSS, OFDM	DSSS, OFDM	DSSS, OFDM	OFDM
Wireless Protocols Supported	802.11b,d,e,f,g,h,i	802.11a,b,d,e,f,g,h,i	802.11b,d,e,f,g,h,i	802.11b,d,e,f,g,h,i	802.11b,d,e,f,g,h,i	802.11a,b,d,e,f,g,h,i
Transmit Gain	400mW (26dBm)	2.4GHz 400mW (26dBm) 5GHz 125mW (20dBm)	400mW (26dBm)	400mW (26dBm)	400mW (26dBm)	2.4GHz 400mW (26dBm) 5GHz 125mW (20dBm)
Receive Sensitivity	Up to -94dBm	2.4GHz Up to -91dBm 5GHz Up to -88dBm	Up to -94dBm	Up to -94dBm	Up to -94dBm	2.4GHz Up to -91dBm 5GHz Up to -88dBm
Processor	Realtek 8186	Ubicom/Atheros	Realtek 8186	Realtek 8186	Realtek 8186	Ubicom/Atheros
Memory	8MB SDRAM	8MB SDRAM	8MB SDRAM	8MB SDRAM	8MB SDRAM	8MB SDRAM
Storage	4MB NAND, not removable	4MB NAND, not removable	4MB NAND, not removable	4MB NAND, not removable	4MB NAND, not removable	4MB NAND, not removable
Operating System	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary
Other						
Availability	Immediate	Immediate	Immediate	Immediate	Immediate	Immediate
Warranty	1 year through EnGenius	1 year through EnGenius	1 year through EnGenius	1 year through EnGenius	1 year through EnGenius	1 year through EnGenius
Antenna Options	Any RPTNC type antenna	Any RPTNC type antenna	Antenna integrated	Antenna integrated	Any RPSMA type	Any RPSMA type
MSRP	$129	$210	$150	$160	$150	$229