



Client Interoperability Matrix: SD 5.1



Wireless infrastructures are increasingly essential to support growth in use of mobile devices. Users expect anywhere, anytime access – and organizations increasingly must be able to deliver. For enterprises, 802.11n is clearly the right choice for designing a new wireless network: it enables higher performance than wired Fast Ethernet and has extended range, allowing applications to run wirelessly that were originally designed for the once-fatter wired pipes.

Products Tested:

MODEL	SiliconVendor/CHIPSet	RADIOTYPE	OS/VERSION	CARD TYPE	MODEL
APPLE/AIRPORT	ATHEROS/5424	802.11 ABG	MAC /10.6.4	MINI PCI	MAC BOOKPRO
APPLE/AIRPORT	Broadcom/43xx/Airport Extreme (0x14E4,0x93)	802.11 ABGN	MAC /10.6.4	MINI PCI	MAC BOOKPRO
ATHEROS AR9285	ATHEROS /AR9285	802.11BGN	XP/ SP3	PCIe	EEE PC 1005HA
ATHEROS AR5009	ATHEROS/AR5009	802.11AGN	VISTA/SP2	PCIe	HPG70
ATHEROS AR5002X	ATHEROS/AR5002X	802.11 ABG	XP/ SP3	PCMCIA	HP
CISCO-AIR-P121AG	ATHEROS/AR5211	802.11ABG	XP/ SP3	PCI	
BELKIN-N1	MARVEL/88W8360	802.11BGN	XP/ SP3	PCI	
BROADCOM 4315G	BROADCOM/4315G	802.11BG	XP/ SP3	PCIe	HP MINI 1101
BROADCOM 4322	BROADCOM/4322	802.11ABGN	XP/SP2	PCIe	HP 6735
BROADCOM 4321	BROADCOM/4321	802.11 ABGN	XP/SP2	MINI PCI	HP
BROADCOM 4322	BROADCOM/4322	802.11ABGN	VISTA/SP2	PCIe	HP PAVILLION TX2000
BUFFALO-WLI-CB-AG300N	Marvell/TOPDOG	802.11 ABGN	XP/SP2	PCMCIA	HP
CISCO : AIR-CB21AG-A-K9	ATHEROS/AR5211	802.11ABG	XP/SP2	PCMCIA	HP 510
CISCO : AIR-CB21AG-A-K9	ATHEROS/AR5211	802.11ABG	XP/SP2	PCMCIA	IBM R40
DELL 1510 N	BROADCOM/432x	802.11ABGN	XP/ SP3	PCIe	DELL INSPIRON MINI 10
DELL1397	BROADCOM/4315G	802.11BG	XP/ SP3	PCIe	DELL INSPIRON 1011
DELL 1520 AGN	BROADCOM/432x	802.11AGN	7/Home Premium/64 bit	PCIe	DELL INSPIRON INSP1440
DELL 1505 AGN	BROADCOM/432x	802.11AGN	XP/SP3	PCIe	DELL VOSTRO 1510
DLINK DWA-652	Atheros/ath9k	802.11BGN	XP/SP3	PCMCIA	ACER TRAVELMATE 2300
DLINK WUA-1340	Ralink/rt73	802.11ABG	XP/SP3	USB	
DLINK RANGEBOOSTER N DWA-142	Marvell/Libertas	802.11ABGN	XP/SP3	USB	
DLINK DWL-AG132	Atheros/ar5523	802.11ABG	XP/SP3	USB	
INTEL 1000 BGN	INTEL/1000	802.11BGN	7/Home Premium/64 bit	PCIE	HP G60
INTEL 2200 BG	INTEL/2200	802.11BG	XP/SP3	MINI PCI	LENOVO T43
INTEL 2200 BG	INTEL/2200	802.11BG	XP/SP3	MINI PCI	TOSHIBA TECRA
INTEL 2200 BG	INTEL/2200	802.11BG	XP/SP3	MINI PCI	HP510
INTEL 2200 BG	INTEL/2200	802.11BG	XP/SP2	MINI PCI	HP510
INTEL 2915BG	INTEL/2915	802.11ABG	XP/SP2	MINI PCI	COMPAQ 6220
INTEL 3945 ABG	INTEL/3945	802.11ABG	XP/SP2	PCIe	HP COMPAQ NX 7300
INTEL 3945 ABG	INTEL/3945	802.11ABG	XP/SP3	PCIe	HP T60
IN TEL 4965 ABGN	INTEL/4965/2X2	802.11ABGN	XP/SP3	PCIe	HP
INTEL 5100 AGN	INTEL/5100/1X2	802.11AGN	XP/ SP3	PCIe	LENOVO SL510
INTEL 5100 AGN	INTEL/5100/1X2	802.11AGN	VISTA/SP2	PCIe	IBM THINKPAD T400
INTEL 5100 AGN	INTEL/5100/1X2	802.11ABGN	7 Professional/32 BIT	PCIe	DELL VOSTRO 1520
INTEL 5150	INTEL/5100/1X2 MIMO + WIMAX	802.11 ABGN	VISTA	MINI PCI	DELL
INTEL 5300 AGN	INTEL/5300/3X3	802.11AGN	7 Professional/32 BIT	PCIe	DELL VOSTRO 1520

Wi-Fi Cards/Chipset Interop Note

MODEL	SiliconVendor/CHIPSet	RADIOTYPE	OS/VERSION	CARD TYPE	MODEL
INTEL 5300 AGN	INTEL/5300/3X3	802.11AGN	VISTA/SP2	PCle	DELL VOSTRO 1520
INTEL 5300 AGN	INTEL/5300/3X3	802.11AGN	VISTA/SP1	PCle	DELL VOSTRO 1520
INTEL 5350AGN	INTEL/5350/3x3 MIMO + WIMAX	802.11AGN	VISTA/SP2	PCle	IBM T400
INTEL CENTRINO 6200	INTEL/6250/2X2	802.11AGN	7 Ultimate/64 bit	PCle	DELL LATITUDE E6410
INTEL CENTRINO 6250	INTEL/6250/2X2: MIMO + WIMAX	802.11AGN	XP/SP3	PCle	Dell-Mini-10
INTEL CENTRINO 6300	INTEL/6300/3X3	802.11AGN	7 Ultimate/64 bit	PCle	DELL LATITUDE E6410
INPROCOM 2200	InProComm/IPN2200	802.11BG	XP/SP3	MINI PCI	ACER TRAVELMATE 2300
LINKSYS WPC600N	Broadcom/4321	802.11 ABGN	XP/ SP2	PCMCIA	HP
LINKSYS WUSB600N	Ralink/rt2870	802.11AGN	XP/SP3	USB	HP T60
NETGEARWG111	Realtek/RTL8187L	802.11BG	XP/SP2	USB	IBM G40
Netgear WG111V3	Realtek/RTL8187B	802.11BG	XP/SP2	USB	
NETGEAR WNDA3100v2	BROADCOM/4323	802.11ABGN	XP/SP2	USB	TOSHIBA
NETGEAR WN511T	ATHEROS/AR5211	802.11BGN	XP/ SP3	PCMCIA	HP
NETGEAR WAG511	ATHEROS/AR5211	802.11 ABG	XP/ SP3	PCMCIA	
ORINOCO: Gold	ATHEROS/AR5211	802.11ABG	XP/SP3	PCI	IBM X100e
REALTEK 8192SE	REALTEK/8192SE	802.11BGN	XP/SP3	PCle	
REALTEK 8191SE	REALTEK /8191SE	802.11BGN	XP/ SP3	PCle	SONY VIAO
REALTEK RTL8188CE	REALTEK/RTL8188CE	802.11BGN	XP/SP3	PCle	
RALINK: RT3090	RALINK/RT3090	802.11BGN	7 Starter/32 bit	PCle	
3COM 3CRDAG675B	Atheros/AR5211	802.11ABG	XP/SP3	PCI	APPLE
MACBOOK	BROADCOM-BCM 43xx1.0	802.11ABGN	10.6.6	PCle	APPLE
MACBOOK PRO	Broadcom/432x/AIRPORT EXTREME(0x168C,0x86)	802.11ABG	MAC /10.4.11	PCle	APPLE
IBOOK-G4	BROADCOM(Firmware Ver: 3.90.34.0.p18)	802.11BG	MAC OS X /10.3.9	MINI PCI	APPLE
IPAD	BROADCOM/4329:1 X 1	802.11 AGN	4.2.1	PCle	

Report and Recommendations

Meru tested the above Wi-Fi chipsets and Wi-Fi cards for successful Interoperability within a Meru Network Infrastructure. Using our established testing criteria the performance of these devices is acceptable.