

AirPcap Nx

Works with
WIRESHARK

802.11a/b/g/n USB Wireless Adapter with External Antenna Support

AirPcap Nx continues the tradition of the AirPcap Family by providing a USB-based and easy-to-deploy packet capture and injection solution for the Windows platform. This unique dual-band offering supports packet capture and injection for 802.11n, 802.11a/b/g legacy modes, and the 4.9 GHz US Public safety channels, all with full Wireshark® integration. It also features 2 x 2 MIMO with two internal antennas. In addition to the internal antennas, AirPcap Nx has two integrated MC-Card connectors for optional external antennas to enhance performance in the most demanding environments.

AirPcap 802.11n Adapter Evolution

AirPcap Nx replaces our AirPcap N 32bit CardBus adapter, providing advanced technology and additional capabilities that include:

- 802.11n traffic capture on 20MHz and 40 MHz channels
- 802.11a, b, g packet capture on 20MHz channels
- 802.11a/b/g/n packet injection at all rates
- Detailed decoding of control, management, and data frames in Wireshark, including A-MSDUs, A-MPDUs, and HT information
- Per-packet radio information
- Microsecond timestamp resolution
- Two internal antennas and two integrated MC-Card connectors for optional external antennas
- Support for 2x2 MIMO
- Support for simultaneous multi-channel capture into a single, merged trace file using multiple AirPcap Nx adapters and CACE's exclusive multi-channel aggregation technology
- Full integration with Wireshark and CACE Pilot™ for complete WLAN traffic analysis, visualization, drill-down, and reporting
- USB host interface provides for portability and flexibility in deployment
- AirPcap and WinPcap APIs are provided for the creation or extension of your own 802.11n lab tools

AirPcap Nx + CACE Pilot + Wireshark = Triple Threat

CACE Technologies is offering AirPcap Nx bundled with CACE Pilot, our premier network analysis, visualization, and reporting tool. CACE Pilot is the only network analysis product to offer full Wireshark integration, delivering a vast number of capture and display filters for data drill-down, and Wireshark's prodigious dissector library for deep packet analysis. With CACE Pilot/AirPcap Nx bundles, you will have one of the most advanced wireless network analysis tools on the market today. Used in conjunction with the AirPcap Nx adapter 3-pack, CACE Pilot can monitor multiple channels simultaneously, significantly increasing your network visibility. CACE Pilot offers a rich set of reporting facilities fully integrated with CACE Pilot Views, enabling you to create professional reports from on-screen displays.



AirPcap Nx and SharkNet™ Support

AirPcap Nx is covered under the CACE SharkNet Support Program umbrella along with Wireshark, CACE Pilot, TurboCap, and all AirPcap adapters. Purchasing Basic or Premium SharkNet provides blanket annual support for all of your CACE tools. This means you buy AirPcap Nx with Sharknet support today, and CACE Pilot sometime during your effective support period, both will be covered under the SharkNet support program. Purchase an AirPcap adapter for use with Wireshark along with Sharknet support, and both AirPcap and Wireshark are covered. Have your support issues quickly addressed, bug fixes accelerated, product application questions answered, and even influence the prioritization of additions to the Wireshark development path through a SharkNet purchase. SharkNet support program information is available at <http://www.cacetech.com/support/sharknet-support.htm>.



AirPcap Nx



AirPcap Nx Pricing

(APCNX) AirPcap Nx single USB WLAN Adapter \$698 USD

(APCNX3) AirPcap Nx 3-Pack (includes 4-port USB mini-hub & Network Toolkit) \$2,094 USD

CACE Pilot / AirPcap Nx Bundles Pricing

(P12NX) CACE Pilot with 12 mo. Update Subscription and single AirPcap Nx adapter \$1,923 USD

(P12NX3) CACE Pilot with 12 mo. Update Subscription and AirPcap Nx 3-Pack \$3,180 USD

SharkNet Support Pricing

(SNETB) SharkNet BASIC Support \$599 USD

(SNETP) SharkNet PREMIUM Support \$1,199 USD

Pricing for all CACE products can be found on our catalog page at www.cacetechnologies.com/products/catalog.

Upgrading to AirPcap Nx

Owners of any functioning version of AirPcap can upgrade to AirPcap Nx for the difference in price of the adapters plus the associated shipping costs. Please contact sales@cacetechnologies.com for upgrade instructions.

AirPcap Nx Host System Requirements

- Pentium compatible or better
- Available USB 2.0 or 1.1 Slot
- Microsoft ® Windows 2000, 2003, 2008, XP, or Vista OS

AirPcap Nx Product Specifications

Network Topology:

IEEE 802.11a/b/g/n

Operating Frequencies:

2.412-2484 GHz (b/g/n)

4.920-5.825 GHz (a/n)

802.11n Supported Modes:

- Legacy Mode
- HT20 mixed mode
- HT40 mixed mode. In this mode, the adapter captures HT40, HT20 and legacy mode frames simultaneously.

802.11n Aggregation:

Capture of A-MPDU and A-MSDU frames

Modulations:

- CCK
- OFDM
- HT-OFDM
 - MCS 0-15
 - Up to 2 spatial streams
 - Detection of Short and Long Guard Interval
 - 2x2 MIMO

Data Rates:

Up to 54Mbps for 802.11a/b/g

Up to 130Mbps (20MHz channels) and 300Mbps (40MHz channels) for 802.11n

Antennas:

Two built-in Antennas

Two integrated MC-Card connectors for optional external antennas

Decryption:

WEP

WPA PSK (in Wireshark)

WPA2 PSK (in Wireshark)

Power:

USB Bus (no external power)

5VDC

300mA (max) or 1.5 Watt (max)

Temperature:

Operating: 0C to 55C

Storage: -20C to 70C

Humidity:

Operating: 10%-70% (Non-condensing)

Storage: 5%-95% (Non-condensing)

Certifications:

RoHS compliant

About CACE Technologies, Inc.

Founded in 2005 with the vision of offering superior tools to the networking community, CACE Technologies, Inc. has since become a leader in the network analysis industry. Our innovative product portfolio includes the AirPcap family of wireless packet capture adapters for Windows, the TurboCap™ full-rate dual-port Gigabit Ethernet capture and injection solution, and CACE Pilot™, a powerful and intuitive network analysis, visualization and reporting tool. CACE also provides support, training, and development for two of the most popular and highly acclaimed open-source networking tools: WinPcap and Wireshark. All CACE products are fully integrated with Wireshark and are designed to enhance the Wireshark user experience. For information on our tools and services, visit www.cacetechnologies.com.



*Creative
Advanced
Communication
Engineering*

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