

# USB WI-FI SOLUTION

**HIGH QUALITY HD VIDEO GRADE DUAL BAND WI-FI  
SOLUTION WITH CELENO OptimizAir™ TECHNOLOGY**

**amino**



**The Aminet software stack now features Wi-Fi support - offering easier installation for operators and extended reach within the home, delivering a range of compelling benefits for the successful distribution of HD video.**

### Dual band

The Amino USB Wi-Fi dongle will connect to both 2.4GHz and 5GHz networks. Whilst 2.4GHz is more prevalent, the dongle is future proofed to connect to 5GHz access points. The 5GHz spectrum is less prone to interference within the home from other devices in the RF spectrum such as neighbouring Wi-Fi networks, microwave ovens, burglar alarms and other devices, ensuring that the Amino solution offers the best HD video streaming experience.

### 3x3 MIMO

The Amino USB Wi-Fi dongle has a 3x3 MIMO construction with three antennae. Two of the antennae are integral to the dongle and the third antenna is a flip-up design to maximise Wi-Fi reception.

### Connect to standard access points

The Amino USB Wi-Fi dongle will connect to 802.11a/b/g/n access points. Operators are encouraged to test against their own deployed access points to ensure full compatibility.

### Celero OptimizAir™ technology

The Amino USB Wi-Fi dongle can also be used with Celero

access points to benefit from Celero's OptimizAIR™ technology. This brings the additional benefits of;

- Real time transmit digital beam forming MIMO technology for increased range and coverage.
- One Celero access point supports up to eight clients with eight unique HD streams.
- Traffic shaping to maximise QoS for IPTV streams
- Advanced interference detection and fast automatic channel scanning and hopping
- Dynamic Frequency Selection (DFS) support

### Aminet browser or SDK support

The Amino USB Wi-Fi dongle drivers are available to both browser and Aminet SDK customers. Browser customers benefit from example Wi-Fi configuration pages that can be deployed within their UI and include an on-screen-keyboard for entry of SSID and security passwords. The Amino USB Wi-Fi dongle is supported only from Aminet software build releases 2.7 onwards. Operators must upgrade to this release in order to deploy Wi-Fi.

## SPECIFICATION

<b>SIZE</b>	87.1mm long (including USB connector) , 26.6mm wide, 18.0mm high 3.43" long (including USB connector), 1.05" wide, 0.71" high
<b>WEIGHT</b>	25g / 0.9oz
<b>USB BUS</b>	USB2.0 Type A
<b>FREQUENCY BAND</b>	2.4000-2.4835GHz and 5.150-5.825GHz
<b>STANDARDS</b>	802.11a, 802.11b, 802.11g, 802.11n (20MHz and 40MHz)
<b>CHANNELS</b>	All channels are supported subject to local regulations Geographical configuration is part of the Aminet software set-up process
<b>SECURITY</b>	WEP, WPA Personal, WPA2 Personal
<b>ANTENNA</b>	Two Internal plus one external
<b>CERTIFICATION</b>	CE and FCC
<b>SUPPLIED ACESORY</b>	USB male to female extension lead 135mm



POWERED BY **aminet**  
INDUSTRY LEADING SOFTWARE

### About Amino Communications

Amino Communications is a leading global IPTV and OTT digital TV innovator, enabling major network operators and service providers to connect their customers to the entertainment experiences they love. Amino combines iconic products, industry-leading software, deep specialist IP technology expertise and partnerships with the foremost ecosystem partners to deliver award-winning solutions to over 850 customers in 85 countries. Founded in 1997 and headquartered in Cambridge, Amino has offices in China and Sweden, and is listed on the London Stock Exchange Alternative Investment Market (AIM symbol: AMO).

### About Celeno

Celeno provides high performance Wi-Fi chips and software for HD multimedia and entertainment home networking applications. Celeno's extensive chip portfolio and OptimizAIR™ technology enable the wireless distribution of multiple and simultaneous HD video and data streams throughout the home with the highest levels of performance and reliability while ensuring a superlative quality of service and user experience. Celeno's field-proven chips have been integrated into numerous OEM Wi-Fi devices and have been deployed with over 75 service providers worldwide. Founded in 2005, the company has offices and representatives in EMEA, the US and Asia-Pacific and is backed by international blue chip investors.

### About Aminet

Aminet is Amino's core software solution and is at the heart of every set-top box we make – from the award-winning A110 to the latest next generation IPTV devices. Trusted by network operators to enable leading edge entertainment experiences, the aminet solution has built a reputation for ultra-reliability, robustness and flexibility delivering thousands of deployments across a wide range of network conditions and ecosystems worldwide. With over three and a half million aminet-driven set-top boxes deployed, Amino continues to innovate – adding exciting new OTT features to provide an even richer and more compelling entertainment experience.