

AMX-CA80U/CE80U Annex A/B USB ADSL Modem

Taipei, Taiwan, May 7, 2002 –The AMX-CA80U / AMX-CE80U USB ADSL Modem combines an “Always On” high speed Asymmetric Digital Subscriber Line (ADSL) connection to the telephone line, and a Universal Serial Bus (USB) connection to a host PC into a single cost-effective Annex A and Annex B solutions. It’s also compliant with the full-rate ANSI T1.413 Issue 2 and ITU G.dmt (G.992.1) ADSL standards, and with the splitterless ITU G.lite (G.992.2) specification. This rate-adaptive solution is designed for Customer Premise Equipment.

The AMX-CA80U / AMX-CE80U takes advantage of the processing power available with today’s computers by eliminating the need for a separate microcontroller supporting the ATM Segmentation and Reassembly (SAR) function, resulting in a cost-effective ADSL solution suitable for both full-rate and G.lite applications. Additionally, host-based software supports industry standard functions PPP over ATM (PPPoA) per RFC 2364, PPP over Ethernet (PPPoE) per RFC 2516, Bridged/Routed Ethernet per RFC 2684/1483, and Classical IP over ATM per RFC 2225/1577. Supported operating systems are Windows 98, Windows 2000, Windows ME, and Windows XP. The USB specification version 1.1 is supported and is the preferred standard method to connect peripherals to PCs. During periods of no data transmission, the AMX-CA80U / AMX-CE80U performs idle cell insertion and deletion thus unloading this task from the host PC.

ADSL is a transmission technology used to carry user data over a single twisted pair line between the Central Office and the Customer Premises. The downstream (Central Office to Customer Premises) direction typically supports a much higher data rate than the upstream or return (Customer Premises to Central Office) channel. This asymmetric nature lends itself to applications like remote LAN access, Internet access, and video delivery. Data rates up to 8 Mbps downstream and up to 1 Mbps upstream are supported for full rate. Data rates up to 1 Mbps downstream and up to 512 kbps upstream are also supported for G.lite. Actual data rates depend on the transceiver implementation, loop length, impairments, and transmitted power.

