

ARCHITECTS & ENGINEERS SPECIFICATION for the X6P-16IN unit

The device shall be a 16 channel analog-AES/EBU converter unit to transform analog signals to AES/EBU and vice versa. It shall be equipped with 16 XLR microphone or line level inputs. The device shall function in applications where the A/D conversion is needed. The 16 XLR inputs shall include microphone pre-amp, phantom power and selectable gains in 1 dB steps from 0 dB to +66 dB. All analog inputs shall be available at the rear panel after pre-amplification. Two analog split outputs per channel shall be sent to other devices such as an analog monitor consol or recording unit. With two parallel AES/EBU ports the digital signals shall be split. They shall allow the transmission of the analog inputs to two different devices with digital interfaces. The Word Clock IN / OUT and THRU shall enable the synchronization of the units to an external source and shall be used to pass on the word clock from one unit to the next. For stand-alone applications, the devices shall be equipped with an internal word clock. Configuration and control shall be possible using the USB and RS232 ports. Control software shall operate on a PC, offering full remote access and upgradeable internal logic. LED banks on the front of the device shall provide comprehensive status control. The module shall be compliant with the CE conformity and shall be used in E1, E2, E3, E4, or E5 environments according to the harmonized European standards EN55103-1 and EN55103-2.

The optical, digital I/O network module shall be the Optocore® X6P-16IN unit.