

## **ARCHITECTS & ENGINEERS SPECIFICATION for the X6P-8/8 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 eight XLR microphone or line level inputs and eight XLR line level outputs. The device shall function in applications where the A/D and D/A conversion is needed. The eight XLR inputs of the X6P-8/8 shall include microphone pre-amp, phantom power and selectable gains in 1 dB steps from 0 dB to +66 dB. Eight XLR output channels shall have a selectable channel level of 0 dBFS and -10 dBFS. Two analog split outputs per channel shall be sent to other devices such as an analog monitor consol or recording unit. Two AES/EBU ports on the rear panel shall enable the split of the digital signals. The second port shall allow the transmission of the analog inputs together with the incoming AES/EBU signals to other 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-8/8 unit.