

ARCHITECTS & ENGINEERS SPECIFICATION for the Y3R-TP unit

The interface card shall be compatible with all Yamaha devices equipped with Mini - YGDAl-Slots. The card shall provide digital I/O synchronous network over Cat5 connectivity, which can be an extension for synchronous fiber optical network. The card shall allow a direct connection of Yamaha digital consoles and other devices to the network. Up to 64 audio inputs and 64 audio outputs shall be transmitted to and from the group of cards via the synchronous network over Cat5. Supporting both Yamaha standards 16 IN and 16 OUT (e.g. PM5D, M7CL, DME64N) and 8 IN and 8 OUT (e.g. DIO8 for PM1D, DME32), the audio channels shall be passed through the internal slot interface. In order to make further channels available additional cards shall be used in additional slots. With four cards daisy-chained with the standard CAT5 cables, a total of 128 channels shall be achieved. Two RS422 ports shall allow the direct transfer of Yamaha Remote or other control protocols via network. HA Remote signals shall be picked up directly at the console slots as well as through the external DB9 HA Remote connection. The word clock shall also be exchanged at the slots. The card shall provide one RJ45 LAN port for connection of any standard 10/100MBit Ethernet device. Configuration and control shall be possible using the USB, LAN or RS232 ports. Control software shall operate on a PC, offering full remote access and upgradeable internal logic. The module shall be compliant with the CE/FCC 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 device shall be compliant with EN60065 - Safety requirements.

The digital I/O synchronous network over Cat5 module shall be the Optocore® Y3R-TP unit.