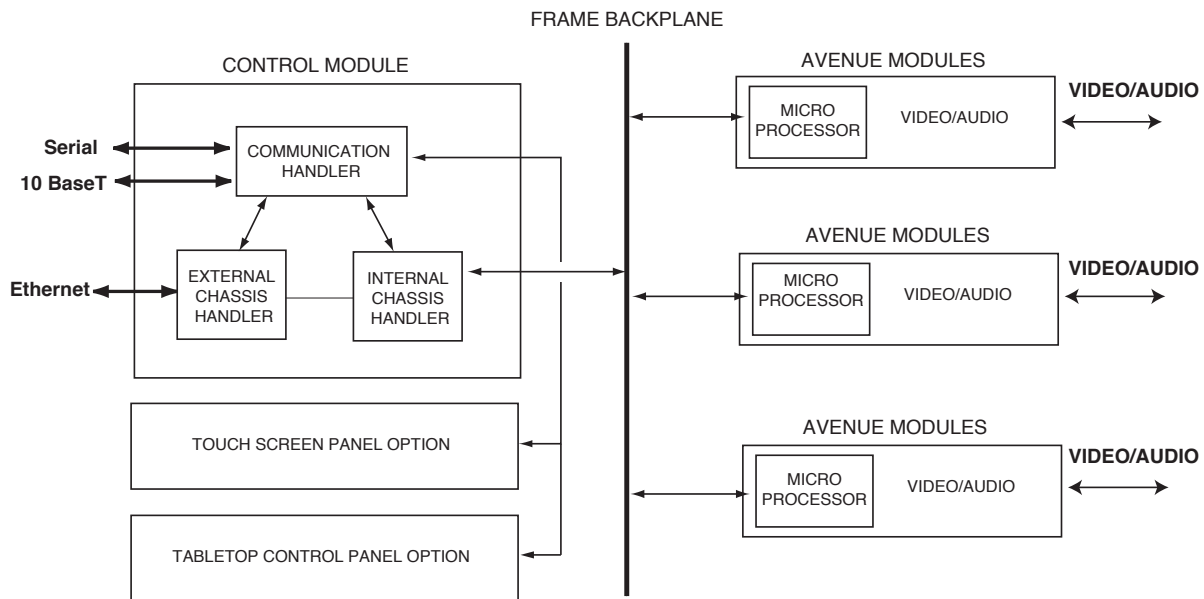


## 5030/5035 System Control Modules

The optional 5030/5035 System Control module provides the Ethernet, AveNet (our proprietary Local Area Network communication) and Serial interface connections required for networking, remotely configuring and controlling the frame modules from the Avenue remote control options. Ethernet can be used instead of, or in conjunction with, AveNet and Serial.

As shown below, the System Control module interfaces to the frame backplane for controlling the 10BaseT Ethernet TCP/IP connection, the AveNet LAN connection, and the serial communications port between frames. The System Control module is also used for distributing a master timing reference from the rear backplane BNC to all modules in a frame.

Any combination of Avenue equipment including 3RU frames, 1RU frames, Router Panels, Touch Screen Panels and Intersection frames can be used together on a network.



*Control System Block Diagram*