



Modular RF Switch Control System

Modular System Controls is announcing our modular switch control system for OEM applications which has been in production since 2014. The system is designed to greatly minimize NRE in a switch control system. The standard system and firmware support common RF components with no NRE. The system can be expanded to handle very large matrixes or arrays of switches, attenuators, synthesizers and many other devices by connecting modules with standard Ethernet cables to the controller board. The modules plug into custom interface or backplane boards designed to support your system devices and mechanical layout. You can build your own boards or we can design and build them for you.

- Control switch matrixes up to 100 x 100
- Control hundreds of switches and other devices
- Industry standard I²C bus is used for inter-board communications
- Control via Ethernet TCP/IP, USB or Serial (RS232, RS422 or RS485)
- Standard control protocols include IEEE-488.2, SCPI and MODBUS
- Power everything from a single voltage power supply
- Minimize production costs by eliminating almost all chassis wiring
- A color touchscreen HMI interface is also available