

XR0024/XR0045 FXS Modules Data Sheet

These private exchange 8-port FXS modules support the Xorcom SPI (Serial Peripheral Interface) internal Astribank bus.

Voltages and currents (supplied by the e-main control module):

- Logic 3.3 VDC @ up to 0.3 amp
- Low battery voltage (off-hook) -24 to -30 Vdc @ up to 360 Milli-Ampere
- High battery voltage -80 to -92 Vdc produces ring -80-92 Volts ring alternate current, Sinusoidal, software programmable via the Asterisk XPP (Xorcom Peripheral Protocol) driver.

The modules support 100% electronic telephony operation (no relays) based on solid-state SLICs (Subscriber Line Interface Cards), with built-in surge protection of up to 1,500 Volts.

Additional Functionality

- Caller ID support
- MWI (Message Waiting Indicator) support

The modules include eight RJ11 ports for line connection. Each port has two LEDs (Light Emitting Diodes).

The green LED indicates port status:

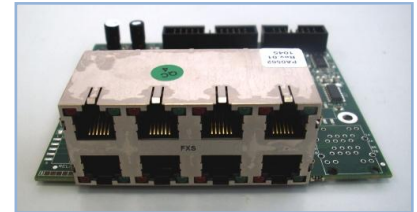
- Solid Green = off-hook, engaged line
- Blinking green = ringing

The Red LEDs are used for special indications (on, synchronized, active) when the module is installed on the first (leftmost) position in an Astribank.

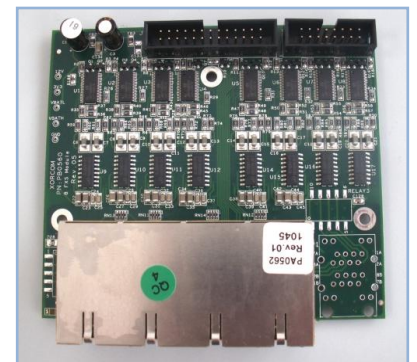
Each module has an on-board 16-pin male connector to support the TCO (telecom connector) option on the Astribank.

The XR0045 is similar to the XR0024, but also includes digital input-output capability. The two relay outputs are capable of carrying up to 2 Ampere at up to 220 V. The four digital inputs are designed for dry switch operation only. The XR0045 must be installed in the first (left-most) slot only.

To assure reliable, long term operation of the FXS modules forced-air cooling is mandatory.



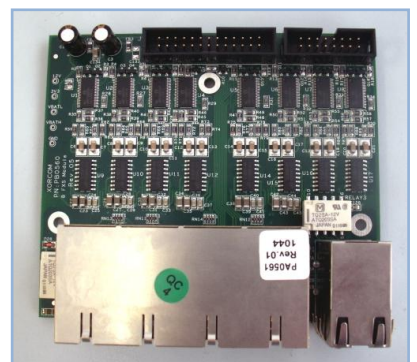
XR0024 – Front View



XR0024 – Top View



XR0045 – Front View



XR0045 – Top View

Environmental Operation Information

- Temperature: 0-40 degrees Centigrade
- Humidity: up to 95%, non-condensing

Physical Dimensions

- 90x105 Millimeters

Certifications

- FCC 47CFR part 15 subpart B
- RoHS
- EC
- XPP (Xorcom Peripheral Protocol) compliant



Asterisk is a registered trademark of Digium, Inc. Specifications may change without prior notice.