



# Raven Electronics Corporation

*Specialized Communication Solutions Since 1968*

## FEATURES

- VOX (Voice-Activated Switch)
- Tone Detection and Generation
- Audio Bridge
- DTMF Bridging
- Notch Filtering
- Wireline Capabilities
- Tone Remote Control
- Voice-Frequency Switching
- Audio Delay
- Signal-to-Noise Voter/Comparator
- Customer-defined "Custom Configurations"

## M4x Modules

The Raven M4x products offer the flexibility you need to create a solution to your application.

### M4x is MULTI-MARKET, MIXED-MEDIA; x= NEXT GENERATION

Mix and match any of the following modules:

#### **476-150, 2 port 4-wire Analog VF/VOX**

This module has two channels in and out, can do DTMF detection, VOX detection with relay output, voice delay up to 1 second on each channel, M-Lead (PTT) relay outputs and E-Lead (COR) inputs. The input and output are 600 ohm.

#### **476-124, T1/E1 Interface**

Can connect each time slot to any port in the M4x Blade/System.

#### **476-170, Telephone Interface**

Two channels for 2-wire and 4-wire telephones, restricted to two modules per single blade.

#### **476-175, PSTN (or SNI) Interface**

Two channels for connecting to 2-wire circuits with telephone battery voltage applied.

#### **476-178, Relay Interface**

This relay module has six DPDT relays or eight SPDT relays.

#### **476-180, I/O Interface**

This module has the capability of monitoring or control up to 16 control points. Each line can be programmed as either an input or an output.

#### **476-151, 2 port 4-wire Analog VF/VOX**

The input can be 600 ohm or high impedance, and output is always 600 ohm. This module is the same as 476-150 except without input and output transformers. This module is designed for very low frequency signals.

#### **476-152 Two Channel 2-wire Analog Line Interface (hybrid)**

Without battery voltage applied, detects open or disconnected line.

#### **476-155, Conference Interface**

This module is a conference bridge.

#### **476-184, Alarm Input**

There are 16 alarm inputs in this module, which can sense ground or open circuit for alarm.

#### **476-189, RS-422 Interface**

This module is two modules wide and interfaces the M4x to a Raven digital orderwire.

#### **476-232, 2-Channel RS-232 Interface**

The inputs & outputs can be routed to the host computer or to other RS-232 ports.

If you don't see what you need, please ask us about it. However unique or complex your requirement, Raven has either already accomplished the task or will apply our flexibility and capability to do so, quickly and competitively.

Raven is an engineering factory focused on providing specialized communications.

The 'Idea Shop' committed to solving engineering problems & exceeding expectations.