

4-Wire TO Voice

4-Wire Transmission-Only Voice Modules

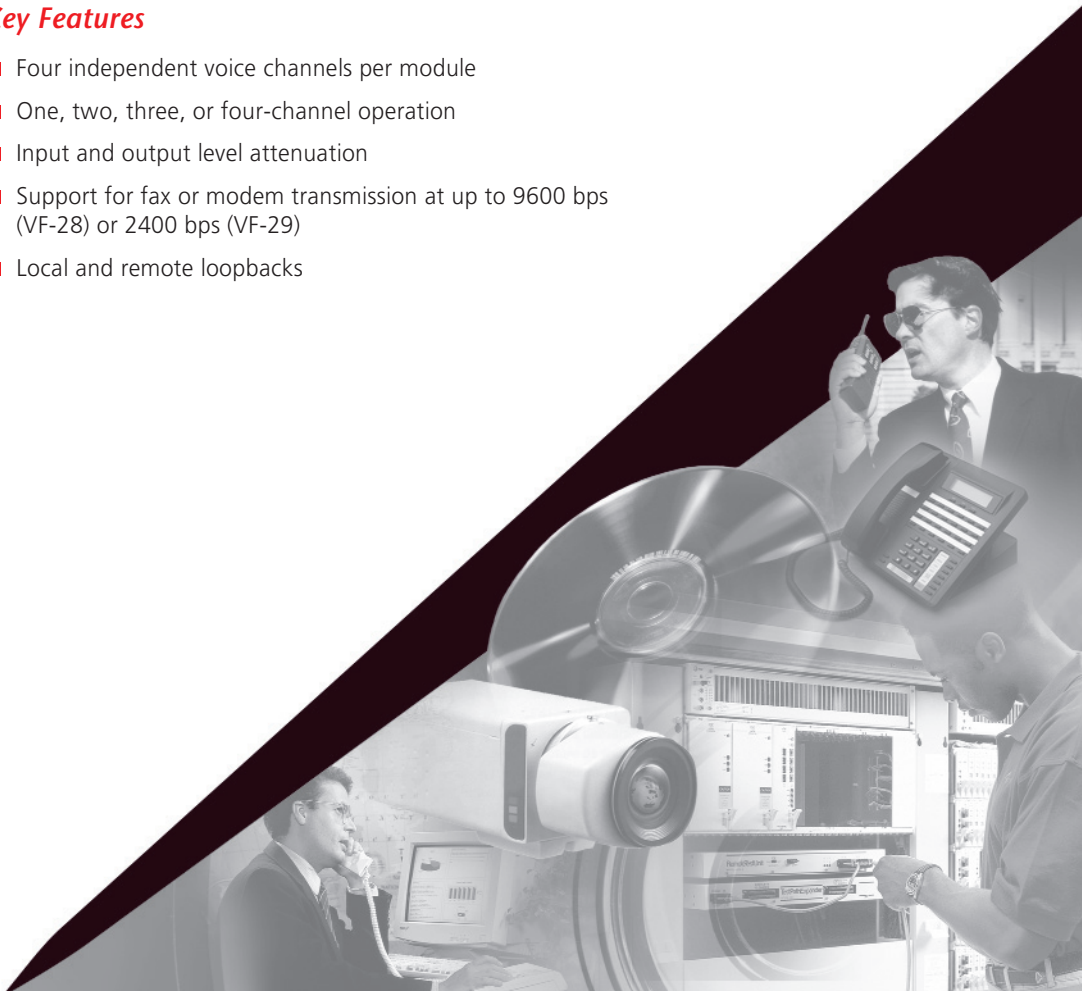
Intraplex 4-wire transmission-only voice frequency modules are available with PCM coding (64 kbps per channel) or ADPCM coding (32 kbps per channel).

<u>Coding</u>	<u>4W TO modules for T1 systems</u>	<u>4W TO modules for E1 systems</u>
PCM	VF-28	VF-28E
ADPCM	VF-29	VF-29E

These modules plug into Intraplex access products, allowing voice channels to be combined with other types of payload channels for transport over T1 (1.5 Mbps), E1 (2 Mbps), or other high-speed digital lines.

Key Features

- Four independent voice channels per module
- One, two, three, or four-channel operation
- Input and output level attenuation
- Support for fax or modem transmission at up to 9600 bps (VF-28) or 2400 bps (VF-29)
- Local and remote loopbacks



**4-Wire TO Voice
Frequency Modules**

Specifications

General

Modules

- VF-28/28E: Four-channel PCM
- VF-29/29E: Four-channel ADPCM

System Compatibility

- The VF-28 and VF-29 are compatible with Intraplex T1, ISDN, and variable-rate access products.
- The VF-28E and VF-29E are compatible with Intraplex E1 access products.

Configuration Four independent voice channels per card

Voice Frequency

Frequency Response 300 to 3000 Hz, ±0.2 dB

Input/Output Level (Nominal) 0 dBm in, 0 dBm out, ±0.1 dBm

Input Level Range -16.0 dBm to +3.0 dBm, adjustable via the multiplexer's remote access port

Output Level Range -10.0 dBm to +10.0 dBm, adjustable via the multiplexer's remote access port

Impedance 600 Ω input and output

Idle Channel Noise Less than 23 dB_{nC}O

Signal to Distortion 1004 Hz input, 0 to 30 dBm: less than 33 dB in C message weighting

Network Interface

Coding and Data Rate

- VF-28: μ-law PCM, 64 kbps per channel
- VF-28E: A-law PCM, 64 kbps per channel
- VF-29: μ-law ADPCM, 32 kbps per channel
- VF-29E: A-law ADPCM, 32 kbps per channel

Time Slot (DS0) Assignment

- VF-28/28E: One to four sequential time slots (one per active channel); starting time slot selectable
- VF-29/29E: One or two sequential time slots (one for each two active channels); starting time slot selectable

Status and Diagnostics

LED Indicators Green LED for Service On

Loopbacks Local and remote analog loopbacks, activated via the multiplexer's remote access port

Input/Output Modules

Connector 50-pin telco-type female connector on MA-301 Module Adapter; one MA-301 supports up to three modules in adjacent physical slots (12 voice channels)

Physical and Environmental

Nominal Power Consumption 2.0 watts per module

Temperature 0 °C–50 °C operating

Humidity 0%–90% noncondensing

Specifications subject to change without notice. All Rights Reserved.

