



TECHNICAL SPECIFICATIONS



MATRIX VISIONPRO412 - Digital PBX with 4 Trunks and 12 Analog Extensions

This digital PBX offers 40+ value-added features, it reduces communication cost, increases productivity, and simplifies business processes with efficient call management. Hence, leading to more reliable, stable, robust, and maintenance-free performance.

For SOHO Communication, it is brimming with smart call features that can skyrocket your staff productivity and cut your telephony costs equally.

Parameters	Specifications
Type of Switching	PCM/TDM, Digital Switching, 100% Non-blocking
Processor	16-bit DSP
Signaling	Loop Start
Dialing	DTMF and Pulse (10/20PPS)

Off-Hook AC Impedance	600/900/Complex
Off-Hook Current	39mA Max.
Loop Limit	1800Ω Max (Excluding Telephone)
On-Hook Voltage (Tip/Ring)	-48V nominal
DTMF detection	ITU-T Q.24
Return Loss	>18dB
Longitudinal Balance	>50dB
Transmission Level Adjust	Tx Gain: -12dB to +6dB, Rx Gain: -12dB to +6dB
Ringing	Trapezoidal 50VRMS/25Hz and Sinusoidal 52VRMS/25Hz
REN	3
CLI Presentation	DTMF, FSK ITU-T V.23 and FSK Bellcore 202
Protection	Over Voltage Secondary Protection
Physical Connector	2.54mm Push Type connector

CO (Central Office)/Two-Wire Trunk (TWT)	
Signaling	Loop Start
Loop Limit	1200Ω
Off-Hook AC Impedance	600/900/Complex
Pulse Dialing	10/20 PPS
DTMF Dialing and Reception	ITU-T Q.23 and Q.24
Return Loss	>18dB

Longitudinal Balance	>50dB
Transmission Level Adjust	Tx Gain: -15dB to +10dB. Rx Gain: -15dB to + 10dB
CLI Reception	DTMF, FSK ITU-T V.23 and FSK Bellcore 202
Call Maturity	Delay and Polarity Reversal
Protection	Over Voltage and Over Current Secondary Protection
Physical Connector	Over Voltage Secondary Protection
Physical Connector	2.54mm Push Type connector
Input	External Adapter 12V@2A for VISIONPRO 206, 308, 412
Dimensions (W x H x D)	23.1 x 16.25 x 5.5 cm (10.5" x 11.2" x 3.1")
Unit Weight	0.65 kg (1.43lbs)
Shipping Weight	3.5 kg (7.7lbs)
Installation	Wall Mount
Operating Temperature	0°C to 45 °C (+32°F to +122°F)
Operating Humidity	95% RH, Non-Condensing

Note: Specifications are subject to change without prior notice

ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern organizations. Matrix offers a comprehensive range of solutions for IP Video Surveillance, Access Control, Time-Attendance, and Telecom applications. The solutions are designed to meet the communication and security requirements of large enterprises having offices in multiple locations, SMEs, and SMBs.

As an innovative, technology-driven, and customer-focused organization, Matrix is committed to keeping pace with the revolutions in the Security and Telecom industries. With around 40% of its human resources dedicated to the development of new products, Matrix has launched over 60 cutting-edge products and solutions.

IP Video Surveillance includes solutions like Video Management Systems, Network Video Recorders, and IP Cameras. Likewise, solutions in Access Control and Time-Attendance include Visitor Management Solutions, Elevator Access Control, Panels, Door Controllers, and Readers.

We offer Telecom Solutions such as Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints. All these solutions are feature-rich, reliable, and conform to international standards.



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