



## Asterisk Office i900 IP-PBX

### Datasheet

Modern future-oriented iPline Office i900 PBX designed for Small Office/Home Office (SOHO) and Small-/Medium Enterprise (SME). It is compatible with VOIP phones as well as analog sets. The configuration of the Office i900 PBX is modular and can include up to 9 ports of a combination of FXO/FXS/BRI/GSM plus VOIP stations and trunks. The appliance is designed to address businesses with up to 75 IP endpoints (trunks and stations) and 32 simultaneous calls.

### Software

Full suite of iPline voice processing applications

- tone detection and generation play/record VoIP conferencing echo cancellation fax

Pre-loaded with GNU/Linux OS 2.6x kernel, drivers and tools

- WEB-based User interface on FreePBX 2.x and SSH (remote access)

Web-server, Database and common tools

- Busybox 1.8 (binaries linux tools such as ssh, wget)
- SQLite3 (database)
- httpd (webserver)
- PHP5 with support for SQLite, XML, PDO, etc.
- NTP, DNS, DHCP (client), TFTP (server + client), VLAN

### Technical Specifications

Dimensions (Metric) 234mm W x 169mm D x 55mm H

Dimensions (Imperial) 9.25" W x 6.65" D x 2.18"H

Power Requirements

- Input Voltage AC 110V-240V (50-60 Hz)
- Max Input Power 25W

Environment Requirements

- Operating Temperature 0 °C to +40 °C
- Storage Temperature -20 °C to +85 °C
- Humidity, Non-condensing 5% to 95%

Telephony Interfaces

- Standard station ports 1 FXS
- Expansion Modules 2
- 4 FXS/station (+PFT)
- 4 FXO/trunk (+PFT)
- 2 port/4 channel BRI
- 2 port GSM

FXO AC Impedance (in audio band)

- Off-Hook programmable
- On-Hook Metallic (Tip to Ring) >300 k ohms
- Return Loss >26.8 dB

FXO DC Current

- Loop Current Range 13 - 110 mA

FXO DC Resistance

- Longitudinal (tip to ground, ring to ground) >9.8 M ohms
- On-Hook Metallic (Tip to Ring) >6.5 M ohms
- Off-Hook Metallic (Tip to Ring) 310 ohms @ 20mA, 117 ohms @ 100 mA

FXS AC Impedance (in audio band)

- Off-Hook 600 ohms or TBR21 complex impedance
- Return Loss >30 dB

FXS DC Feed

- Open Loop Voltage 48V
- Constant Loop Current 20 mA
- Max Loop Length\*\* 4kft

FXS Ringer Equivalence Number Supported REN 1

2 BRI ports / 4 channels per module

- maximum capacity of up to 2 BRI modules
- Euro-ISDN signaling
- TE/NT mode support (software selectable on a per port basis)
- Point-to-Point and Point-to-Multipoint Support (software selectable on a per port basis)
- 100 ohm termination support (software selectable on a per port basis)
- Power consumption = .096 watts per module
- Regulatory Approvals = CE approval and RoHS Compliant

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