*VoIP.Master delivers installation, maintenance and assurance tools for Unified Communications. Designed to meet the needs of VoIP technicians, it has a powerful set of features to provide a comprehensive test capability for next generation services.*

Datasheet

# ALBEDO VoIP.Master

USB-Testbook helps organisations accelerate revenue generation through quick and effective VoIP service provision and troubleshooting. Based on a USB memory stick USB-Testbook is a self-contained live software environment that can be run on most x86 based laptops or computers.

## 1. Requirements
- VoIP.Master is a software delivered in USB memory
- x86 based computers
- Ethernet interfaces

**Versions**
- VoIP.Master-nano (part of ALBEDO testers)
- VoIP.Master-Lite
- VoIP.Master
- VoIP.Master-Plus

## 2. Operation
### 2.1 Connection modes
**Terminal**
- Device emulation
- PBX emulation
- SIP Trunk emulation
- T.38 Fax emulation

**Pass Through**
- T.38 Fax emulation

### 2.2 Call modes
- Single Call
- Sequential Call
- Mass Call

### 2.3 Profiles
- Definition and Storage of user profiles

### 2.4 Codecs
- G.711
- G.722 (Wideband)
- G.726
- G.729
- GSM
- iLBC
- Speex

## 3. PBX Emulation
- Emulation of an IPBX
- Emulation of a VoIP device on a SIP trunk
- Up to 30 simultaneous outgoing/incoming calls
- Simple one button tests through

- Ability to call different numbers (destinations), number ranges, etc
- Up to 200 simultaneous outgoing/incoming calls to test trunk capacity

## 4. SIP testing
Emulation of a SIP Trunk/VoIP Network
- Media quality measurement (E-Model MOS) for each call and trunk
- Simple one button tests
- Stored user profiles.
- Ability to call different numbers (destinations), number ranges, etc
- Up to 200 simultaneous outgoing/incoming calls to test PBX

**Simultaneous calls**
- VoIP.Master-lite: 5 simultaneous outgoing/incoming calls
- VoIP.Master (standard): 30 simultaneous outgoing/incoming calls

## 5. Media quality measurement
- For each call and trunk
- E-Model (MOS/R-Factor)

## 6. T.38 Fax Emulation
Test faxes to be sent or received functionality
- Emulation T.38 Fax machines at the customer premise
- Test faxes to be sent or received functionality
- Up to five simultaneous outgoing/incoming Fax calls
- SIP network/trunk test for successful Fax over IP (T.38) operation
- Support for both T.38 and G.711 Fax pass-through modes
- Received Fax's automatically converted to PDF for local viewing

## 7. Reports
- Comprehensive PDF test reports
- Customisable header and logo

## 8. Ordering Information
### 8.1 VoIP.Master-Nano (AT-VMST-N)
- Provides PBX (CPE) emulation modes supporting 1 Terminal/Call. Includes MOS measurement, RTP statistics, DTMF tone and reports.

### 8.2 VoIP.Master-Lite (AT-VMST-L)
- Provides PBX (CPE) and ITSP (Network) emulation modes supporting up to 5 Terminals and simultaneous Calls in Single, Sequential and Bulk call modes. Includes MOS measurement, RTP statistics, DTMF tone and pdf reports

### 8.3 VoIP.Master-Standard (AT-VMST)
- Provides PBX (CPE) and ITSP (Network) emulation modes supporting up to 15 Terminals and simultaneous Calls in Single, Sequential and Bulk call modes. Includes MOS measurement, RTP statistics, DTMF tone and pdf reports. Includes MOS measurements, RTP statistics, DTMF tone pdf reports and one G.729 codec license.

CONFIDENTIAL

8.4 **VoIP.Master-Plus (AT-VMST-P)**
- Provides PBX (CPE) and ITSP (Network) emulation modes supporting up to 30 Terminals and simultaneous Calls in Single, Sequential and Bulk call modes. It is supplied in a USB stick and a Single Floating License to be executed on a user PC or labtop.  Includes MOS measurements, RTP statistics, DTMF tone pdf reports and one G.729 codec license and Mass Call mode supporting 200 simultaneous calls in PBX and ITSP to test trunk capacity.

8.5 **VoIP.Master-G729 (AT-VMST-G729)**
- G.729 Codec. Adds G.729 codec capability for outgoing calls.

8.6 **VoIP.Master-T38 (AT-VMST-T38)**
- T.38 Fax. Adds T.38 Fax emulation capability to the Standard and Plus versions.

❑