

PATTON ELECTRONICS

Patton Electronics Company M-ATA SIP Software Revision v4.03.002_1211 Dec 11th, 2007

Bug Fixes:

- IP Fragmentation issue now is fixed.
- MATA does not parse the CLIP/Caller ID information correctly as it is displaying the calling party name as unknown on the display of the analog phone.
- Inconsistent supplementary service names in the Localization and Line web page.
- Factory default values incorrect.
- Subscribe message does not work in outbound proxy case.
- When you configure a fixed IP address, the M-ATA always sets the DNS to 80.0.0.1 unless the DNS field is blank. Now DNS works correctly.
- When a fixed Ip address and mask is configured (code 0718) and the unit reloads, then M-ATA does not have dial-tone neither IVR access. Now dial-tone works fine.
- On the M-ATA Telephony/SIP/ web page enter in dddd for "SIP Registration Server Address" and "SIP Domain" then save settings. Leave all other settings at factory default and reboot the device using the web page. When you try to login via the web page or access to check the ip via **** 100# the device will hang. Now this issue has been fixed.
- Support fax machines with 14400 baud rate

Connectivity:

- 1 10/100 Full Duplex/Auto sensing Ethernet RJ-45.

Voice Connectivity:

- 2-wire Loop start, RJ-11/12.
- Short haul loop 1.1 km @3REN.
- Caller-ID Type-1/2 FSK and ITU V.23/Bell 202 generation.

Voice Processing (signalling dependent):

- SIP
- Voice codes
 - G.711 A-Law/μ-Law (64 kbps)
 - G.726 (ADPCM 40, 32, 24, 16 kbps)
 - G.723.1 (5.3 or 6.3 kbps)
 - G.729ab (8 kbps)
- G.168 echo cancellation
- 2 parallel voice connections
- DTMF detection and generation
- Carrier tone detection and generation
- Silence suppression and comfort noise
- Configurable dejitter buffer
- DTFM in-band & out-of-band
- Configurable transmit packet length
- RTP/RTCP (RFC 1889)
- STUN

Fax and Modem Support:

- G.711 transparent FAX.
- T.38 Fax Relay (9.6 k, 14.4 k).

Voice Services/Features:

- Anonymous CallerID block
- Call blocking
- Call forward—on busy
- Call forward—selective
- Call forward—unconditional
- Call hold/retrieve
- Call return
- Call transfer—blind
- Call transfer—with consultation
- Call waiting/retrieval
- Caller-ID
- Conference drop
- Conferencing (3-way calling)
- Distinctive ring
- Do not disturb
- Hotline calling
- Incoming CallerID on/off
- IP URL dialing
- Message waiting indication
- Self-caller ID block
- Speed dial
- Voicemail message retrieval
- Warmline calling

IP Services:

- NAPT
- DHCP client

- PPPoE
- Packet fragmentation.
- VLAN support 802.1p/q.

Management:

- Browser configuration interface
- Multilevel security access
- TFTP & HTTP firmware loading
- SNMP v2 agent (MIB II and private MIB)
- Syslog support.

Operating Environment:

- Operating temperature: 0-40°C (32-104°F)
- Operating humidity: 5-80% (non condensing).

System:

- Power: 100-240 VAC (50/60 Hz)

Compliance:

- EMC compliance: EN55022 and EN55024
- Safety compliance: EN 50950
- CE compliance
- FCC Part 15 Class B

Physical:

- Dimensions: 3.6L x 2.1W x 0.78H in. (9.0L x 5.3W x 1.9H cm)
- Weight: 0.2 lbs (0.09 kg)

Known Issues:

- IP dialing does not work properly, still is in research.
- Codec G.729 unselectable on the CODEC's page, due to it's needed by M-ATA's IVR.