

Specification of G502

V1.3

Revision Record

Version	Date	Author	Contents
V1.1	2010-12-17	Anne	✧ Revise Firmware and Hardware features
V1.2	2011-3-30	Anne	✧ Revise the dial rule to dial plan
V1.3	2011-4-2	Anne	✧

2FXS Analog Telephone Adapter with router function(G502)

The Intelligent Communication Device for Next Generation Network

Specification

VoIP SoC	<ul style="list-style-type: none"> ■ CPU Core: MIPS24KEc@360MHZ
Flash	<ul style="list-style-type: none"> ■ 8MBytes Flash
RAM	<ul style="list-style-type: none"> ■ 16MBytes SDRAM
Power Supply	<ul style="list-style-type: none"> ■ AC/DC Adapter ◇ AC Input: 100~240V, 50~60Hz ◇ DC Output: 5V, 2A
I/O Interfaces	<ul style="list-style-type: none"> ■ 2 RJ-45 for 10/100 Ethernet Ports ■ 2 RJ-11 for FXS Port
Environmental	<ul style="list-style-type: none"> ■ Operation Temperature: 5~45 Degree C ■ Storage Temperature: -25~ 85 Degree C ■ Relative Humidity: 10%~90% No Condensing ■ Shock: Up to 75cm (`30 inches) Drop upon Package
Audio Codec	<ul style="list-style-type: none"> ■ G.711 (A-Law, μ-Law) with PAMS above 4.3 ■ G.729A/AB with PAMS above 4.0 ■ Adaptive Jitter Buffer Management ■ Voice Activity Detection ■ Comfort Noise Generation ■ Echo Cancellation ■ T.30 FAX with G.711 ■ Real time FAX over IP via T.38(Phone 2 port only)
Protocols	<ul style="list-style-type: none"> ■ SIP V2 (RFC 3261,3262,3263,3264) ■ Backward Compatible with RFC2543 ■ Session Timer (RFC4028) ■ SDP (RFC2327) ■ RTP/RTCP (RFC1889 and RFC1890) ■ NAPTR for SIP URI Lookup (RFC2915) ■ STUN (RFC 3489) ■ ARP/RARP (RFC 826/903) ■ SNTP (RFC 2030) ■ DHCP/PPPoE ■ PPTP/L2TP VPN ■ HTTP Server for Web Management ■ TFTP/HTTP/HTTPS for Auto Provisioning ■ DNS/DNS SRV (RFC1706 and RFC 2782)
Management	<ul style="list-style-type: none"> ■ Firmware Upgradeable ■ Web Management Interface ■ IVR-driven Management Interface ■ Local and Remote Syslog (RFC3164) ■ Auto Provisioning ■ SNTP Time Synchronization ■ Multi User Level ■ SNMPv2 ■ TR069



Applications	<ul style="list-style-type: none"> ■ NAT/NAPT Router function ■ MAC Address Cloning ■ DHCP Server ■ PPTP/L2TP VPN ■ PPPoE ■ SIP proxy redundancy <ul style="list-style-type: none"> – dynamic via DNS SRV, A records ■ NAT Traversal by STUN ■ DMZ ■ QoS with Layer 3 ■ DHCP Client and DHCP Server ■ IP conflict detection
Call Features	<ul style="list-style-type: none"> ■ 3-way Conference ■ Music on hold ■ DTMF Relay: In-band, Out-band and SIP INFO ■ Call Hold ■ Call Forwarding ■ Call Mute ■ Call Transfer ■ Call Waiting ■ Speed Dial ■ Caller ID and CWCID ■ Hotline ■ Real time fax over IP via T.38 ■ T.30 FAX with G.711 ■ Dial Plan ■ Black List ■ Call Log
Dimension	<ul style="list-style-type: none"> ■ (L) 120 x (W) 80 x (H) 28 mm
Unit Weight	<ul style="list-style-type: none"> ■ 140 g (without package)

Copy Right 2011 All Rights Reserved by EASY3CALL TECHNOLOG LIMITED V1.3

Revision time:2011-4-2 11: 00