# Excelocity VoIP ATA and Gateways
## A Turn-key Private Label Solution
### *The Smallest, Most Feature Rich and Most Cost Efficient Solution!*

FXSATA11-3232 (1FXS)    FXSATA11-3232W w/ WiFi    FXSATA12-3232 (2FXS)

FXSATA11-3232 housing    FXSATA12-3232 with housing

**Excelocity, in addition to providing turn-key SW solution for building ATA (Analog Telephony Adapter) and VoIP Gateways based on its award winning XL-Gateway V²IP engine, it also offers a turn-key solution including HW for up to 8 line VoIP ATAs and Gateways. This solution allows our customers to acquire a ready-made private labeled VoIP ATA/Gateway solution including HW and SW, tailored to their requirements.**

# Technical Specification FXS ATA 11/21/21/22

## Hardware

**Platform**
- DSPG DVF9918 or DVF9919

**Interfaces**
- Telephone – 1 or 2 FXS RJ11 port with 5 REN
- Network – 1 or 2 10/100 Ethernet RJ45 port
- Power/Reset
- LED – customer specific
  - Power
  - Telephony
  - Network
- Optional
  - JTAG connector
  - Serial via UART connector
  - WiFi via SDIO connector
  - DECT via UART connector
  - 4G/LTE via USB connector

**Physical**
- Power Supply – micro USB connector for 5 VDC
- Temperature – 0º to 40º C
- Humidity – 10 to 90%
- Dimensions – customer specific (PCB less than 25 sq cm for FXSATA11)
- Weight –0.02 Kg (PCBA only)

**Compliance**
- As required – FCC(part 68 & 15B), CISPR22/EN55022, UL, CSA

**Products**
- FXSATAxy-mn(W), where
  x- # of ETH (0-2); y- # of FXS(1-8);
  m-Flash(32-64 MB); n-SDRAM(32-64 MB)
  'W 'denotes model with WiFi module

## Software

**Operating System**
- Linux 3.4.20 Kernel

**Protocols**
- TCP/UDP/IP, RTP/RTCP, HTTP/HTTPS, DNS, DHCP, TFTP, NTP, STUN, Telnet, SSH, SIP, SIP/TCP, SIP/TLS, SRTP, 3GPP IMS, TOS, Diffserv

**Features**
- SIP – IMS ready
- Supplementary services – Caller id (Type I/II, ETSI, Custom), Call Hold, Call Waiting, Call Forward (Busy, Unconditional, No Answer), Call Transfer (Attended/Unattended), Three-way Conference
- MWI/VMWI
- Advance IVR
- Codecs – G.711, G.729 A/B, G.723.1, G.722, G.726, iLBC, WB-AMR
- Echo Cancellation, VAD/CNG, Discontinuous Transmission, Adaptive Jitter, Packet Loss Concealment,
- DTMF in/out-of band (RFC 2833)
- Country specific and Customizable Call Progress Tones
- T.38 G3 Fax over IP
- Fax and Modem pass through
- NAPT with ALG
- Operations, Administration, Maintenance & Provisioning – web server(custom), CLI (Cisco like), Syslog, TR069 (optional)
- Billing – Call Detail Records (CDR)
- Advance Failover algorithms for facilitating uninterrupted service

## Excelocity turn-key solutions accelerate your Quality Time to Market!
## Proud to Engrave Your Name on our products!

Please contact us to discuss how we can address your unique Voice or Video over IP Gateway product design and go to market needs.