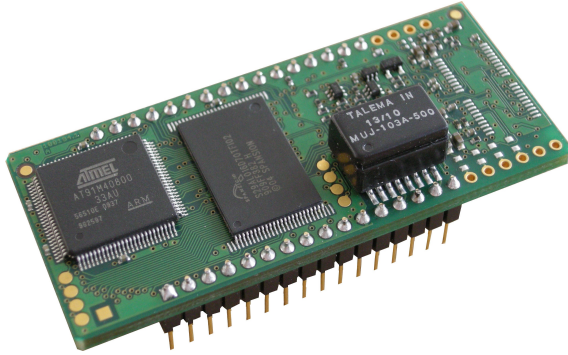


eviateg TA



Ready to integrate ISDN Socket Modem solution with S₀ interface

Quick time-to-market by universal socket connectivity

Reduction of development time and costs

Features:

- Standard AT command set with ISDN enhancements
- Asynchronous serial interface supports speeds up to 115.200 bps (230.400 bps optional), autobauding, hardware and software handshake
- 10 and 11 bit: 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2
- Caller line identification
- Automatic call reception
- DTR auto dialing
- Poweron auto connect
- Remote configuration with password check
- Password controlled callback
- Automatic disconnect by inactivity timeout
- Dial number memory
- Preselection
- Three MSNs for different B channel protocols and different services
- Automatic B channel protocol recognition
- ISDN line check
- Date and time
- Advice of charge information
- Fixed net SMS service
- PCM bus for phone applications ¹⁾
- Plug & play for Windows

Special versions available:

- **TA Twin:** two independent modems on a single device
- **TA TwinVoice:** two independent audio interfaces for microphone and speaker
- **TA Twin PCM:** two independent modems on a single device with PCM interfaces
- **TA Control:** device with 16 programmable GPIO pins and alerting functions
- **VAM:** Integrated VdS2465 protocol for security applications

Specifications:

Size:

67.0 mm x 29.0 mm x 16.00 mm
2.638 inch x 1.142 inch x 0.630 inch

Power requirements:

3.3 V versions: 3.3 V DC ±5 %
5 V versions: 5 V DC ±10 %

Power consumption:

Typical 65 mA (both 3.3 V and 5 V)
Max. 90 mA (both 3.3 V and 5 V)

Environment:

Humidity: 0 .. 90 % not condensing
Operating ambient temperature: -30°C .. + 85°C
Storage temperature: -40 °C .. +85 °C

User interfaces:

Serial: ITU-T V.24
ISDN: S₀ interface (BRI, ITU-T I.430)
Audio: 2 microphone inputs / 2 speaker outputs ¹⁾
PCM: GCI ¹⁾

Protocols:

V.110, V.120, X.75SLP, PPP, T.70NL, raw HDLC, HDLC-UI, ISO8208 (X.25 DTE-DTE), X.31, leased line, Fixed net SMS (ETSI ES 201 912)

ISDN switch types:

DSS1/NET3 (PP/PMP)
Optional: 1TR6, US National ISDN 1, AT&T 5ESS, Northern Telecom DMS-100

Certifications:

Telecom: TBR3 / CTR3 (ACTA / IC on request)

Production: ISO9001/9002 compliant

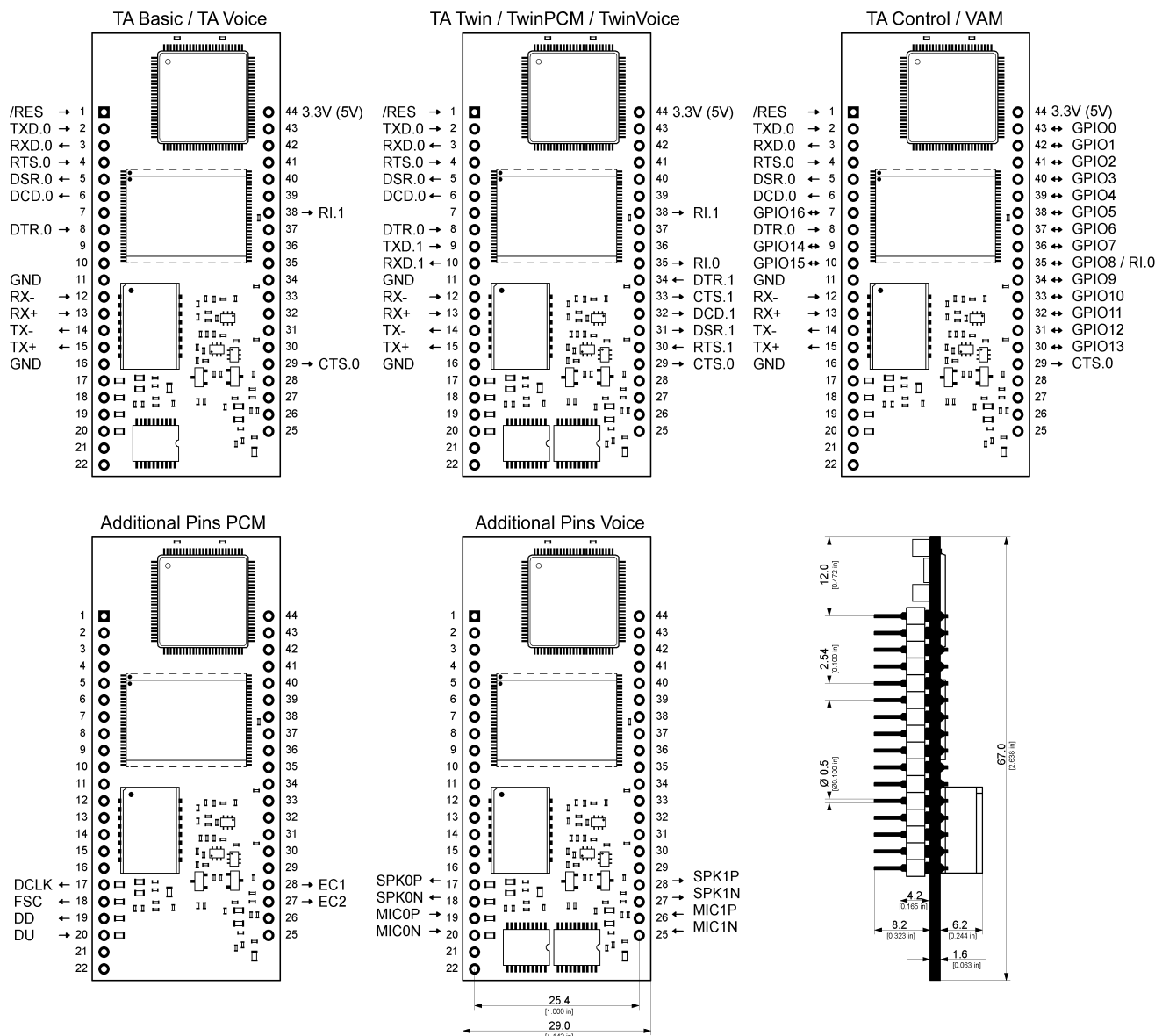
Warranty: 2 years

¹⁾ optional

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Pinout and mechanical specifications:



Note: All 5V versions operate internally with 3.3V. Their inputs are 5V tolerant, their outputs have a maximum voltage level of 3.3V.

Ordering information:

Product name	Part number 5 V version	Part number 3.3 V version	Additional pins	Part no. Evaluation kit
TA Basic	410210	410211	-	450757
TA Twin	410212	410213	-	450758
TA TwinPCM	410216	410217	✓	450759
TA Voice	410218	410219	✓	450760
TA TwinVoice	410214	410215	✓	450761
TA Control	410220	410221	-	450762
VAM	410222	410223	-	450763

Evaluation kits contain:

Evaluation board with one eviateg TA, RS232 interface(s) and power supply, ISDN cable, RS232 cable(s), AC adaptor.