



## AG101 MILITARY GATEWAY DEVICE

AG101 MILITARY GATEWAY DEVICE IS USED WITH THE PURPOSE TO MATCH THE DATA GETTING FROM ANALOG, CO AND ISDN PRI INTERFACES ON USER TERMINALS AS ETHERNET / IP DATA TRANSFERING THEM THROUGH ONE PORT (IP) AND ALSO DISTRIBUTION OF DATA FROM ONE PORT ON OTHER INTERFACES (ANALOG, CO AND ISDN PRI). THE GATEWAY DEVICE ESTABLISHES A CONNECTION BETWEEN THE SIP TRUNK AND THE SERVER LOCATED IN THE CENTER, AND ALSO REGISTERS WITH THE SERVER.

### TECHNICAL SPECIFICATION OF THE SYSTEM

#### Functional Specifications

- Ability to control and monitor all device parameters via SNMP.
- All device parameters can be managed via web.
- IPV4 and IPV6 support.
- The device is equipped with 7 (seven) FXS and (one) FXO port
- The device is developed with the ability to connect to an analog phone device, a secure phone MILSEC-1A and a secure/insecure fax machine.
- The device is equipped with 1 (one) ISDN PRI interface.
- The device is equipped with 2 (two) Ethernet interfaces, one for data (carrier interface) other for management.
- The Ethernet interface supports a speed of 10/100 Mbit.
- The ports installed on the device can be independently configured and managed.

- Interface of the device for control and monitoring enables to select the language mode (Turkish and English).
- The device's audio interfaces support audio codex such as G.711, G.723, G.726 and G.729.
- The analog audio interface of the device operates in compatibility with the encrypted audio communication device MILSEC-1A.
- The device has a self-test function (CIT tests) to detect malfunctions and monitor the unit functions of the device.

#### Electrical Specifications

- The device operates with the supply voltages of 90-250 VAC 47-63 Hz and 20-36 VDC.
- The maximum power consumption of the gateway device is 50 watts.
- Communication lines are designed to ensure robust communication in jitter/wander conditions.

#### Interface Specifications

- The ISDN PRI interface installed on the device supports the Q.931 and Q.SIG marking protocol.
- Ability to connect to the interface of the remote device via a standard web browser.

#### Mechanical Specifications

- The device has 1U height and weighs 2,700 kg.
- Can be installed in the 19" rack cabinet.

Ambient Conditions	Standard	Description
Storage Temperature	MIL-STD-810G	Complies with low and high storage temperatures from (-40) ° C to + (70) ° C in accordance with the requirements for low and high temperature tests methods specified in MIL-STD-810G standards, method 501.5 requirement I and method 502.5 requirement I.
Working Temperature	MIL-STD-810G	Complies with low and high storage temperatures from (-30) ° C to + (55) ° C in accordance with the requirements for low and high temperature tests methods specified in MIL-STD-810G standards, method 501.5 requirement II and method 502.5 requirement II.
Instant Temperature Change	MIL-STD-810G	Meets the conditions for an instantaneous change in ambient temperature in accordance with the requirements of MIL-STD-810G. Method 503.5 Requirement I-B (high temperature shock).
Humidity	MIL-STD-810G	Corresponds to the operating conditions at 95 (ninety-five) % air humidity at room temperature, specified in the requirements of the standard MIL-STD-810G 507.5 Requirement II (Aggravated).
Vibration	MIL-STD-810G	Meets the requirements of the standard MIL-STD-810G Method 514.6 Requirement I (transport and operating conditions for maritime and land vehicles) and Method 528 Requirement I and II (ship vibration).
Shock	MIL-STD-810G MIL-S-901D	Meets the requirements of shock conditions in accordance with the requirements of the MIL-STD-810G standard. Method 516.6 Requirement I (for land and sea) and according to MIL-S-901D (Shock Grade: B, Equipment class: II, Shock Type Test: Type A, Test Category: Lightweight Shock). (Functional Test for Ground Equipment, 40 g / 15-23 ms)
High / Low Pressure	MIL-STD-810G	Meets the requirements of MIL-STD-810G standard Method 500.5 ,requirement I and II with the low pressure (height) test method for working condition 3000 (three thousand) and 4500 (four thousand five hundred) m for storage conditions are provided.
EMI/EMC	MIL-STD-461F	Correspond to the requirements of MIL STD-461 F CE101, CE102, CS101 CS106, CS114, CS115, CS116, RE101, RE102, RS101, RS103
Acoustics	MIL-STD-1472G	In accordance with the requirements of the standard MIL-STD-1472G, the maximum noise is 65 dB (A).

