Data Sheet

# OR2900

## OR2900 Session Border Controller

The OR2900 is an enterprise session border controller (E-SBC) with an ORACLE core. It is a cost-effective solution for medium to large businesses.

Scaling up to 1 000 concurrent sessions and capable of providing interoperability between any SIP-to-SIP environment. The compact appliance provides critical controls for delivering trusted real time communications.

The OR2900 supports SIP recording (SIPREC), high availability (HA) configurations, transcoding, Quality of Service (QoS) measurement, OPUS and SILK coders and load balancing.

**1 000 SBC Sessions | 1 000 Transcoded I High Availability**

## Medium to Large Business

Ideal for large site border control and SIP trunking service termination applications, the OR2900 delivers consistent and secure user experience across IP network borders.

## Wide Range of Deployment Models

Service providers leverage the OR2900 as customer premise equipment (CPE) to enable SIP trunking and hosted communication services. The appliance serves as a flexible and resilient demarcation point. The OR2900 can be used in Microsoft TEAMS as well as non-Microsoft applications e.g. Broadsoft, PortaOne, 3CX etc.

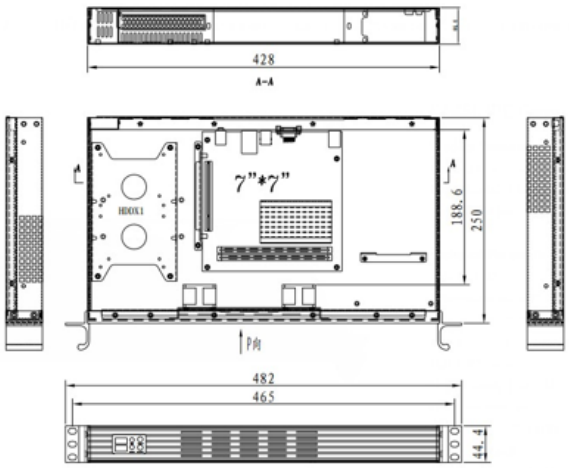
## Capabilities

| | |
|---|---|
| Session Capacity | Up to 1 000 simultaneous sessions |
| Subscriber capacity | Up to 10 000 registered endpoints |
| HA Configuration | Active/standby system |
| RTP/SRTP | Up to 300 call legs |
| Transcoding capacity | Up to 1 000 transcoded sessions |

**Max capacity values vary by signaling, call flow, codec, feature usage and configuration

## Features

| | |
|---|---|
| Security | • IP address and SIP signaling concealment<br>• Deep packet inspection<br>• Topology hiding (Layer 3-5)<br>• Signaling and media encryption |
| Interoperability | • SIP message normalization<br>• Number manipulation<br>• Signaling interworking (SIP, H323)<br>• Protocol interworking (UDP/TCP/TLS)<br>• Network address translation (NAT)<br>• Transcoding and transrating |
| Reliability | • Standby SIP registrar<br>• Load balancing<br>• QoS based routing<br>• Call rate limit enforcement<br>• Registration caching |

## Hardware Specifications

| | | |
|---|---|---|
| Dimensions | W x D x H (mm) | 482 x 501 x 45 |
| Weight | Kg | 7.2 |
| Chassis | 1U, 19'' Rack Mount | |
| Humidity | 5% - 95% non-condensing | |
| Temperature | -10 °C to 50 °C | |
| PSU | Internal AC power supply: 100-240$V_{AC}$, 50-60Hz, 6A Maximum, Rated 200 Watt | |