

ArmtellCS hybrid communication system

ArmtellCS Intercom Server

RLMT.465275.012



ArmtellCS Intercom Server is a core component of ArmtellCS hybrid communication system, which provides SIP registration for subscribers, call routing and transcoding of different codecs (include wideband codecs). ArmtellCS Intercom Server provides integration of different network technologies, packet-switched and circuit-switched networks within industrial communication system.

ArmtellCS Intercom Server hardware is based on x86 architecture. Hardware requirements depend on quantity of SIP subscribers. Therefore, maximum system capacity is unlimited and depends on hardware specification. For interoperability with Armtel DCN system and 3rd party PBX it is possible to add E1-PCIe extension boards. Fault tolerance is achieved by implementation of different replication and redundancy mechanism (N+1,2N, etc). SIP (RFC 3261) is main communication protocol for centralized ArmtellCS system.



Up to 14 kHz bandwidth



Unlimited SIP subscribers number

Key features:

- Direct simplex and duplex communication with extended voice signal bandwidth up to 14kHz;
- Simplex and duplex multi-party call scenarios, including conference calls;
- Free numbering and 255 levels of priority;
- Supports API for seamless integration with 3rd party applications and systems (e.g., DMR-API for integration with DMR Tier II digital mobile radio);
- Voice recording with WEB access to stored audio;
- Remote configuration and monitoring (WEB GUI);
- Supported codecs: G.711A, G.711U, G.722.1(Siren7), G.722.1C (Siren14);
- Interconnecting of two or more ArmtellCS Intercom Servers into a single communication system;
- Integration with PBX through ISDN PRI or SIP;
- Support server redundancy.

Two order types are available for ArmtellICS Intercom Server:

- RMLT.465275.012 ArmtellICS Intercom Server, Hardware and Software package.
- RU.RMLT.00046-01 ArmtellICS Intercom Server SW, only Software package.

Technical specifications*

Operating voltage	from 100V to 240V, 60 Hz
Maximum power consumption	200, 350VA
Network interface	10Base-T, 100Base-TX, 1000Base-T
E1 (G.703/G.704) – optional	300 mA
Interface for peripheral devices	USB, COM, VGA
RJ-45 Ethernet connection	from 2 to 4
RJ-45 E1 connection (optional)	up to 4
Dimensions	437x43x503 mm
Max weight	8,5 kg
Signaling protocols	Armtel-IP, SIP,DSS/EDSS (Q.931)
Network protocols	SNMP, RTP, IGMPv2
Hardware architecture	x86
Operating system	CentOS v7
Electrical safety class IEC 61140-2012	I
Air humidity	up to 90%
Operating temperature	from +10C to +35C

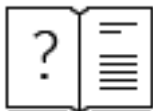
* for typical hardware configuration

Hardware requirements

Hardware recommendation for RU.RMLT.00046-01 ArmtellICS Intercom Server SW order type.

Up to 100 subscribers	CPU 2 core / 4Gb RAM
Up to 200 subscribers	CPU 4 core / 8Gb RAM
Up to 500 subscribers	CPU 8 core / 16Gb RAM

Delivery includes



Set of operational documents