

Technical specifications and requirements to the terminal equipment interfaces, connected to the telecommunication public network

This document meets the requirements of Directive 1999/5 / EC for telecommunications terminal equipment and is based on the Communications Regulation Commission's insistence for publishing technical requirements to the interfaces of the connected devices to carrier's networks.

Voice telephone service

Technical characteristics of the interfaces of the connected lines:

1. **POTS** /Plain old telephone service / – analog line interface
Following the ETSI recommendation: ETSI EG 201 188 V1.2.1 (2000-01)
Type of telephone jack: RJ11
2. **ISDN BRI** – Basic rate access
Following the ETSI recommendation: ETSI EN 300 402.
Physical interface, according to the ETSI standard: ETSI EN 300 012-1
Connector type: RJ-45.
3. **ISDN PRI** – Primary rate access

Following the ETSI recommendation: ETSI EN 300 403.

Type of physical interface, according to ITU-T G.703 balanced 120 ohm

Connector type: RJ-45

4. SIP interface – SIP v2 Session Initiation Protocol RFC 3261.

Connector type: RJ-45.

5. IP Trunk - direct VoIP connectivity, based on H.323 и SIP protocols

H.323 Trunk, following the ITU-T H.323v4 requirements

SIP v2 Trunk, following RFC 3261 requirements

Physical interface : 100BaseTX Ethernet по стандарт 802.3u

Supported codecs: G.711A, G.711U, G.729

Fax protocols: T.30/T.38

Safety requirements to the interfaces and EMC compliance to the equipment

The requirements comply with the following normative documents:

EN55022 (CISPR 22)

EN50082-1 (IEC801-2, IEC801-3, IEC801-4)

EN60950 (IEC950)

References

ETSI EG 201 730-1, Publication of interface specification under Directive 1999/5/EC (R&TTE); Guidelines for the publication of interface specifications; Part 1: General and common aspects;

ETSI EG 201 730-2, Application of the Directive 1999/5/EC (R&TTE), article 4.2; Guidelines for the publication of interface specifications; Part 2: Analogue narrow-band wireline interfaces;

ETSI EG 201 730-3, Application of the Directive 1999/5/EC (R&TTE), article 4.2; Guidelines for the publication of interface specifications; Part 3: Digital wireline interfaces;

ETSI EG 201 730-4, Application of the Directive 1999/5/EC (R&TTE), article 4.2; Guidelines for the publication of interface specifications; Part 4: Broadband multimedia cable network interfaces;

ETSI EG 201 838, Publication of interface specifications under Directive 1999/5/EC; Guidelines for describing radio access interfaces;

ETSI EG 201 212, Electrical Safety: Classification of interfaces for equipment to be connected to Telecommunication networks (CENELEC);