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IEEE Standard for Device Discovery, Connection Management, and Control Protocol for Time-Sensitive Networking System

IEEE Computer Society

Developed by the
Microprocessor Standards Committee

IEEE Std 1722.1™-2021
(Revision of IEEE Std 1722.1-2013)

IEEE

Abstract: This standard specifies the protocol, device discovery, connection management and device control procedures used to facilitate interoperability between audio and video based End Stations that use IEEE 1722 based Streams on IEEE 802® based networks.

Keywords:AVDECC, ATDECC, bridged LAN, IEC 61883, IEEE 802.1™ AVB protocols, IEEE 802.1BA™, IEEE 1722.1™, IEEE Std 802.1AS™-2011, IEEE Std 802.1AS™-2020, IEEE Std 802.1Q™-2011, IEEE Std 802.1Q™-2018, IEEE Std 1722™-2011, IEEE Std 1722™-2016, LAN, QoS, time sensitive media streaming, time synchronization

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Introduction

This introduction is not a part of IEEE Std 1722.1™-2021, Device Discovery, Connection Management, and Control Protocol for Time-Sensitive Networking System.

Increasingly, entertainment media are digitally transported. Streaming audio/video and interactive applications over local area networks is becoming more common.

This standard builds on the work done by the IEEE 802.1™ AVB task group by providing a common audio/video transport protocol capable of supporting the needs of both consumer and professional audio/video applications.

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