



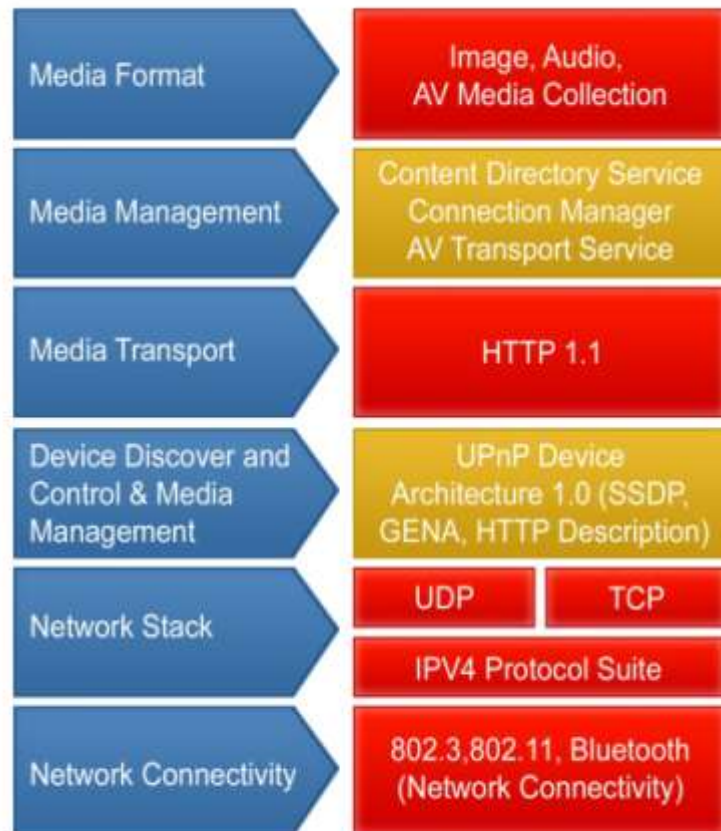
UPnP Media Server

Product Data Sheet

Introduction

UPnP Media Servers store and share digital media, such as photographs, movies or music. These media servers use the Universal Plug and Play (UPnP) protocols to communicate with other devices.

UPnP Media Servers on their own provide UPnP AV Control Points to browse the music content of the server and request the Media Server to start streaming that file to the Control Point for local playback. The UPnP AV other device categories and protocols outlines the various components



Description

GlobalEdge UPnP Media Server is the small foot print, UPnP specification compliant and easily portable software solution suitable for embedded devices with resource constraints.

UPnP Media Server shares the media files such as Audio, Video and Images to UPnP based media players under the command of any control device on the network.

UPnP™ products support automatic discovery, whereby a device can dynamically join a network, announce its name, convey its capabilities upon request, and learn about the presence and capabilities of other devices. Furthermore, a device can leave a network smoothly and automatically without leaving any unwanted state behind.

Key Features

- Specification Compliant solution
- Easily portable design with well defined OS abstraction layer
- Modular design allowing code size reduction based on application requirements
- Support for Allow/Deny client list
- Support for multiple shared directory paths
- Auto refresh and announcement of data base
- Configurable simultaneous connections
- Extraction of media properties for common media file formats
- Thumbnail extraction from common media file formats
- Small memory requirement
- Configurable dynamic memory utilization

Specifications

General

- UDA (UPNP Device Architecture) Version 1.0
- UPnP ContentDirectory:1 Service Template Version 1.0
- UPnP ConnectionManager:1 Service Template Version 1.0
- MediaServer:1 Device Template Version 1.01
- Portable ANSI C code Security

Code Size

- Code Size: ~ 135KB
- Data Size: ~10KB

Applications

- Portable Disk Drives
- Hand-held devices, Mobile Phones, PDA, etc.
- Digital Cameras
- Routers

Use Cases

- Digital Camera, which can share its media content directly on to TV with UPnP capability
- Any hand-held device using GES UPnP Media Server can discover and share it's media contents with other compatible UPnP/DLNA Media players