

## System integration for TDM-IP media gateway

### Project Highlights

#### Services Value

Significant media application cost reduction through scalable off-loading of the TDM-IP interworking function

#### Customer Benefits

- Quick project ramp-up
- One-stop design & build
- Project goals met on time

#### Services Applied

- Requirement Analysis
- Project Scoping
- Program Management
- Engineering design (hardware, software, and mechanicals)
- Development
- Delivery & Knowledge Transfer

### Work Summary

A global telecom equipment manufacturer engaged Interphase in order to meet changing market requirements for a non-recurring design project. The Interphase design team matched the skill set and experience required for this project, enabling effective outsourcing in lieu of temporarily expanding in-house staff.

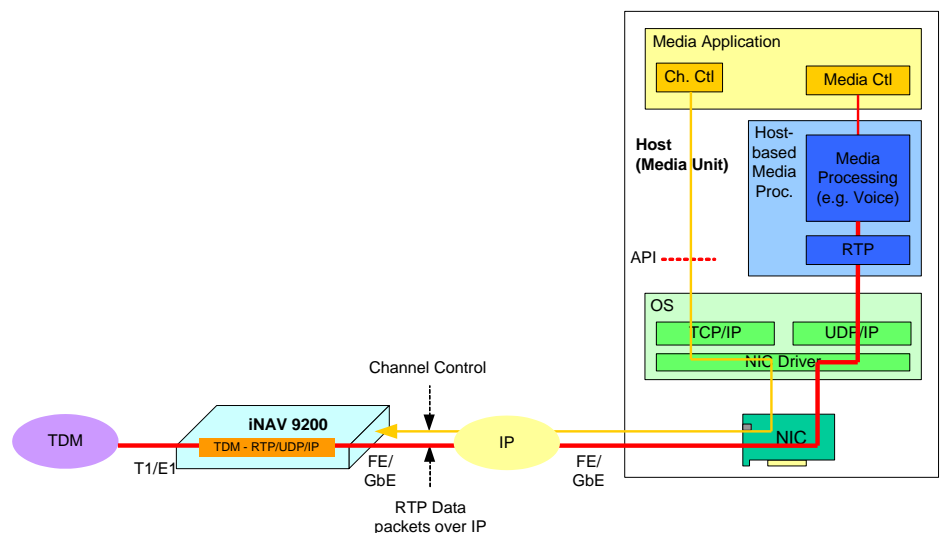


Interphase accomplished the project in seven months and on budget, working throughout the project as an extension of the customer's in-house engineering team. Interphase designed and delivered a brand new TDM-IP stand-alone gateway. After the successful completion of the project, the customer renewed a project extension with Interphase.

### Engineering Design Capabilities Applied

Interphase studied and proposed to the customer the options that would provide this new host-based media processing platform with the most cost-effective connectivity solutions for PSTN environments. To minimize integration effort, the customer picked the external front-end converter, specifically designed for his required port density and price target.

Interphase engineers then designed and developed specific T1/E1 mezzanines, embedded TDM-RTP interworking software, a new channel control API, and turned an existing broadband access gateway into a new custom VoIP media gateway. The chassis of the gateway was also redesigned to meet the customer's NEBS requirements.



During the project, the Interphase program manager kept the customer informed of the project progress and the technical issues, and involved the customer in all strategic decisions.