# alepo

## FTTH DIGITAL BROADBAND SUITE

## Overview

Fiber to the Home (FTTH) growth is driven by increasing demand for high-speed internet due to data-intensive applications, remote work, and the integration of smart home technologies. Government initiatives are also promoting broadband access, while technological innovations in fiber optics and networking equipment are enhancing the quality of internet connectivity. The shift to hybrid work models and increased usage of video streaming services, along with the adoption of a digital lifestyle, have further accelerated the demand for reliable internet, highlighting FTTH's essential role in modern network infrastructure.

> **FTTH market is expected to reach USD 110.44 billion by 2030, growing at a CAGR of 11.6% from 2023 to 2030.**
>
> **- Research and Markets**

## Core Components

### Authentication, Authorization, Accounting (AAA) Server

#### High-Performance AAA Server

Alepo's AAA Server is the backbone of secure and reliable broadband access, offering advanced authentication, authorization, and accounting tailored for broadband networks. It ensures an optimal subscriber experience with real-time policy management, high availability, and fault tolerance, thanks to its scalable, multi-site deployment capabilities.

> **A proven and trusted technology provider, Alepo gives us confidence in the successful delivery, monetization, and customer experience of Ooredoo Maldives' new fixed broadband.**
>
> **Vikram Sinha,**
> **CEO at Ooredoo Maldives**

### TelcoBot.ai, Generative AI Customer Care

#### AI Virtual Agent

Bots that provide human-like, personalized, and context-based interactions, enabling efficient customer service across all channels.

#### AI Agent Assist

Bots that assist human agents in real-time with instant, accurate, and tailored responses to resolve. customer issues and queries.

https://finance.yahoo.com/news/fiber-home-ftth-industry-outlook-124300876.html

The platform performs sentiment analysis, gathers insights from chat conversations, and addresses issues causing customer dissatisfaction to reduce churn and boost CX.

## Digital BSS

### Comprehensive BSS Suite

Simplifies the complexities of broadband business operations, Alepo's Digital BSS suite encompasses CRM, order management, converged billing, and more. It enables real-time rating and charging, supports flexible product catalogs, and leverages analytics for enhanced service differentiation and operational efficiency.

### Zero-Touch Provisioning

Alepo's solution enables zero-touch broadband service provisioning and offers seamless, instant service activation without the need for manual intervention. Streamlines service configuration and fulfilment through advanced automation, eliminating operational delays and allowing rapid service configuration and fulfilment.

### CX-Enhancing Applications

Includes self-service portals and mobile apps. Provides a personalized and seamless customer journey across digital channels and fulfils modern users' expectations with regard to speed and convenience.

### Converged Broadband Subscriptions

Supports seamless management of convergent prepaid and postpaid broadband subscriptions, including comprehensive bundles, with granular service plans and real-time charging for usage- based monetization.
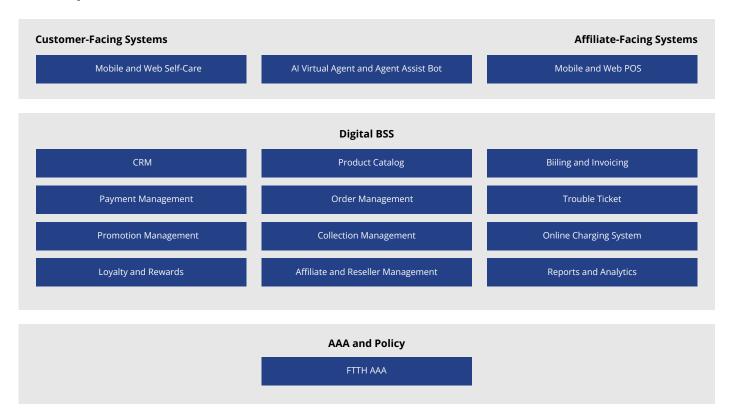
### Affiliate/Reseller Management

Helps onboard new customers through integrated mobile and web mPOS applications. Enables affiliates to acquire customers, activate service, handle payments, perform recharges, and address queries. Offers commissions and incentives to engage affiliate networks. Expands reach by enabling affiliates and resellers to target semi-urban and rural markets cost-effectively.

### Managed Service Operations

Alepo provides a comprehensive range of services, including customization, seamless integration, accelerated deployment, and extensive 24x7 support. Additionally, its managed service operations (MSO) offerings include specialized staffing solutions that guarantee smooth MVNO deployment, rapid scalability, and unwavering operational excellence.

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**Customer-Facing Systems**                                                          **Affiliate-Facing Systems**

| Mobile and Web Self-Care | AI Virtual Agent and Agent Assist Bot | Mobile and Web POS |
|---|---|---|

**Digital BSS**

| CRM | Product Catalog | Biiling and Invoicing |
|---|---|---|
| Payment Management | Order Management | Trouble Ticket |
| Promotion Management | Collection Management | Online Charging System |
| Loyalty and Rewards | Affiliate and Reseller Management | Reports and Analytics |

**AAA and Policy**

| FTTH AAA |
|---|

# Key Benefits

**Accelerated time-to-market:** The integrated FTTH suite facilitates rapid service activation and market entry.

**Streamlined operations:** Automates and simplifies broadband management for improved operational efficiency.

**Enhanced customer experience:** Offers a seamless, personalized digital journey across channels.

**Higher revenue growth:** Enables innovative service offerings to increase ARPU.

**Increases market reach:** Enables affiliates and resellers to engage untapped semi-urban and rural markets.

**Rapid market expansion:** Empowers affiliates and resellers for broader market reach.

**Convergent services:** Supports diverse, monetizable broadband service bundles.

**Scalable infrastructure:** Ensures network reliability and scalability for growing demands.

**End-to-end support:** Provides comprehensive professional and managed services for seamless operations.

# Why Alepo

Alepo's FTTH Digital Broadband suite provides a dynamic platform for communication service providers to launch and scale digital services swiftly. Designed specifically for the FTTH market, it simplifies digital transformation, facilitating quick brand deployment and monetization. The suite guarantees a fast time-to-market, enhanced customer experiences, and a wider reach. Alepo's FTTH suite ensures operators are ready to operate digital brands and adapt to telecom industry changes effectively. As an innovation partner, Alepo helps operators stay ahead, meeting the evolving needs of the digital broadband market.

## Ready-to-Market Offering

Accelerates deployment with pre-integrated solutions, ensuring rapid market entry and efficient service monetization.

## Comprehensive Digital Suite

Unifies operations with CRM, billing, and analytics in one suite for enhanced service management and operational efficiency.

## AI-Driven CX

Employs intelligent chatbots for personalized, responsive service, elevating customer satisfaction and reducing churn.