

Alcatel 1000 S12



Carritech offer a wide range of support services for the Alcatel 1000 S12, including repair and refurbishment, part supply and ongoing technical support.

The Alcatel S12 is an optimized cost-effective, multi-purpose voice switch covering the entire exchange application range of local, toll, combined local & toll, tandem and international exchanges.

The Alcatel 1000 S12 has been characterised by its high reliability, immunity to total system failure and its ability to easily accept new services and technologies.

Key Features

- S12 switches support internet services such as Voice over IP (VoIP), Always-On/Dynamic ISDN (AO/DI) and ADSL
- Provides end-user services (such as number identification, call forwarding, multi-party capability, mobility and PBX access) and ISDN

Technical Information

Main characteristics

The Alcatel 1000 S12 switching system (formerly known as 'System 12' or ITT 1240) is also one of the most popular in the world including at one point in time 140 million Alcatel S12 lines in more than 100 countries worldwide.

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The Alcatel S12 Media Gateway Controller(MGC) was later designed to meet the Next generation network (NGN) requirements and employing this product together with the Alcatel 7510 Media Gateway (MG), service providers can handle both TDM and voice over packet (VoP) traffic in an NGN architecture.

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Capacity

The Alcatel S12 is capable of the following capacity: 120,000 lines (local exchange); 85,000 trunks (toll exchange); Traffic 35,000 Erlang; More than 2,000,000 Busy Hour Call Attempts (BHCA).

Applications

The S12 can be used for a huge range of switching applications: Remote subscriber units, small, medium and large local exchanges, tandem, toll and international exchanges, operator assistance systems, network service centres, telephone traffic charging centres, mobile switching centres, service switching points and signalling transfer points.

Services

The Alcatel 1000 S12 is capable of providing services such as: telephony, bearer services, tele-services, supplementary services, file transfer, transmission of video and images, LAN interconnection.

Software characteristics

The Alcatel 1000 S12's software functions are distributed over the processors which control the exchange.

S12 software has five major sub-systems: operating system, telephonic support, call handling, maintenance and administration.

Modular Architecture

The Alcatel S12 system's distributed control architecture incorporates modular hardware components which conform to a defined interface with the DSN (Digital Switching Network).

The modular design means that the exchange architecture, and top level software doesn't need to be adapted when updating smaller features such as components, microprocessors or custom VSLI circuits.

Implementation

The number of different printed circuit boards types is only 29 for a typical exchange. The number of different rack types from which a typical exchange is built is 4. For a typical 10,000 line exchange the Alcatel 1000 S12 9 racks and 9KW of power.

Remote Subscriber Unit

The Alcatel 1000 S12 ISDN Remote Subscriber Unit (IRSU) is suited to serve remote concentrations of subscribers and to shorten the loop length in urban areas. It is a mixed analog/ISDN telephone line concentrator which provides access to an Alcatel 1000 S12 exchange.

Need support for Alcatel 1000 S12 products?

We can help.

Call: +44 203 006 1770

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