Aastra IntelliGate® 150/300
The future-proof communications systems

AASTRA

The increasing demands
on the modern communications system

Companies today operate in an extremely dynamic and hard-fought competitive market. The need to adapt to rapid change as well as to improve customer service continuously are frequent business imperatives. A decisive factor in business success is the need for the smooth exchange of information with customers and partners. Communications solutions that adapt rapidly and flexibly to new requirements and permit efficient communications help provide the necessary competitive edge. We at Aastra would like to show you particular aspects which should be considered when selecting a communications system.

Put your trust in a future-proof system

You may have already formed a basic picture of what your future communications solution may look like. But do you also know how your requirements will develop over the coming years? To be able to cope and adapt to future requirements, choose a solution which does not tie you to a specific technology type, and which is flexible enough to offer the best protection for your investment.

» Protect your independence

Rapid advances are taking place in communications technology. There is a move by many customers away from traditional line switched telephony (analogue, ISDN) towards voice transmission over a data network (Voice over IP, SIP). With such a move, the ability of a system to cope with future trends is now of central importance. With a solution that encompasses a full range of technologies, you can choose which one is right for you, and at which time. With an IntelliGate solution, you can independently decide when you will give priority to which technology. A modern communications system should also possess an open system architecture in order to be able to maintain independence when choosing future add-ons and expansions.

Your requirements determine the solution

Would you like to have a solution that adapts rapidly and flexibly to organisational and technological changes? Do you also appreciate a user-friendly and reliable configuration interface for your terminals and applications? In this case, please pay special attention to the expandability and scalability of your new system.

Constantly on the move…

Due to the increased level of mobility in everyday business life, the ability to link geographically separated branch offices and to integrate field staff to the main office is of growing importance. Solutions where being remote means that you are isolated are no longer acceptable in the modern business environment.

» Take advantage of modern communications solutions

What is required are communications systems that support employees in their everyday tasks by providing all the tools and facilities available to colleagues in the main office, wherever they are.

Aastra IntelliGate® 150/300
As adaptable as a chameleon

Aastra develops communications systems that always adapt perfectly to the environment in which they are being operated. The IntelliGate 150/300 are two systems that are characterised by their flexibility and ease of integration.

The perfect solution

The Aastra IntelliGate 300 has been specifically developed to meet the communications requirements of small to medium-sized enterprises (SME). This innovative system is designed for up to 50 subscribers. The IntelliGate 150 offers the same advanced features and facilities, but is targeted at companies and organisations with up to 10 employees.

❯❯ Powerful solution, out of the box

The IntelliGate 150/300 systems come as standard with advanced features - Use of VoIP, fully integrated mobile DECT telephony, music on hold and voicemail for every subscriber are all part of the extensive standard package.

Ascotel IntelliGate isyLink: the simplest way to increase the number of subscribers

Ascotel IntelliGate isyLink contributes significantly towards further safeguarding your investment. Increasing the number of subscriber connections on your communication system has never been easier. Depending on your requirements either one A150 and one A300 system or two A300 systems are seamlessly connected via an Ethernet connection, thereby increasing the maximum number of subscribers to 60.

Make a fresh start with VoIP

The open system design of the Aastra IntelliGate 150/300 ensures that as well as traditional telephony technologies such as analogue and ISDN, users can use the latest in Voice over IP.

❯❯ VoIP ready

The time has come to switch over completely to VoIP. Make the most of the opportunities on offer from an adaptable system design, the use of new applications and lower operating costs. Benefit, too, from an improved infrastructure and system management and a significant reduction in connection and call charges.

System Features

Network your company
Remote company sites, home workplaces and field employees can easily be connected with the IntelliGate 150/300. Telephone calls can be routed across either the traditional public switched telephone network (PSTN) or over broadband data networks (LAN, WAN). Regardless of their actual whereabouts, connected users have access to all the functions and services that they would have at the company's headquarters.

》 Take advantage of clear cost savings through VoIP

The deployment of VoIP is particularly attractive to companies which have a high volume of voice traffic going between different company sites. With VoIP, calls are free of charge throughout the entire internal communications network. Even the transparent networking with the Aastra IntelliGate 20x5 system family is simplicity itself, setting up an Aastra IntelliGate network (AIN) as a result. The standard SIP or QSIG protocols are available for networking with systems from other manufacturers. With the international fax protocol T.38 also supported, reliable fax transmission via data networks is also guaranteed.

React immediately to changes within your organisation
In the modern business world, companies have to adapt quickly to survive. Often this means changes in team structures and project teams. The modular design of the Aastra IntelliGate 150/300 means that your phone system will always be up to the task.

》 A system to match your requirements

Additional subscriber and exchange connections are easily integrated into the system using expansion cards, with other required features and applications enabled using licences. Plug-and-play capabilities ensure rapid and trouble-free installation.

Keep all your options open with the SIP standard
Aastra IntelliGate systems support the open international SIP standard, which greatly expands the area of application. For instance it allows access to the public telephone network via a broadband connection. Networking across different sites via SIP is also possible.

Flexible mounting options

IntelliGate 150/300 systems can be wall-mounted or fitted into a 19" rack. Equipped with industry standard RJ45 connectors, systems can be easily integrated into a building's existing wiring structure. Systems can even be desk mounted and operated in a normal office environment; with no ventilator to disturb the peace and no exposed cables, IntelliGate 150/300 run discreetly and silently.

Cost effective solutions

The IntelliGate 150/300 are the heart of a highly cost effective business telephone solution, with low ongoing operating costs. Modern planning and analysis tools provide valuable assistance when planning a customised and competitive communication solution. Least Cost Routing functionality ensures that users make the lowest cost calls through the telephone network. With VoIP, costs can be further minimised by using a SIP-based network and calls are free over a users internal date network. The IntelliGate 150/300 offers users powerful business efficiencies and cost savings.

» **The highest price/performance ratio**

The Return on Investment is further improved by making available increased employee productivity and improved customer service. Customers choosing to upgrade from older Aastra PBX solutions can be assured that existing Aastra system telephones can continue to be used.

Terminals and applications

Terminals and applications specifically matched to your working environment round off the Aastra IntelliGate 150/300. Make your selection from Aastra's extensive portfolio of user-friendly and high performance terminals and applications.

Convenience right across the board
The high-quality terminals of the Aastra IntelliGate family all offer outstanding voice quality, a clear display and an easily understood and intuitive user interface. The ingenious Foxkey, a central operating element that offers menu choices always relevant to the task in hand, guides you through the system's functions. Aastra offers the appropriate terminal for every working environment.

» The ideal terminal for every working environment

From an entry level handset for areas with the lowest requirements such as workshops and conference rooms, right through to call-intensive secretarial services and attendant positions. What is more, each elegant design will blend perfectly into the working environment.

The interface between your employees
Efficient communication between the employees plays a significant role in improving performance. Take advantage of the numerous possibilities for improving cooperation within the team. Team display, automatic call back, dial-by-name and conference call facilities are but a few of the many practical functions.

SIP terminals easily integrated

In addition to the high-performance Office terminals you can also connect SIP terminals from Aastra or other manufacturers. Aastra SIP terminals, which feature an elegant design, hands-free operation, conference circuit and a headset socket, also support the state-of-the-art XML standard. It allows information services to be indicated separately on the generous display. WLAN and Dual Mode (GSM/WLAN) terminals can also be logged on to using SIP and then integrated into the company network. As with all Aastra IntelliGate systems and terminals, configuration is convenient and reliable thanks to the Aastra Information Management System (AIMS).

New opportunities with FMC

Fixed Mobile Convergence (FMC) generally stands for the convergence of mobile and corded communication. This allows mobile phones to be integrated into the Aastra IntelliGate communication network, making key system features also available to subscribers on the move.

Remain accessible even when you are away from your desk

Using the DECT terminals specifically designed for mobile use, you can be reached anywhere on the company's premises and still have easy access to all system functions.

》 **Experience mobile freedom**

It goes without saying that your trusted GSM mobile telephone can also be integrated into the communications system. Thus from now on, you can always be contacted via a single telephone number. WLAN telephones can also be used on your radio-based local network. If an occasion arises where you do not want to be disturbed, the flexibly programmable Auto Attendant can take control of call routing.

One Number

One Number from Aastra allows you to equip several terminals (e.g. desktop phone, DECT, GSM) with one and the same call number after they have logged on to an Aastra IntelliGate communication system, thus passing on different phone numbers is reduced. But of course you still have the possibility of determining whether new incoming calls are displayed on all the terminals or on selected terminals only. If you make changes to the phone book or the call list, the changes are immediately updated on all the terminals.

Tailor-made applications for your company's communications

Optimise your communication processes using tailor-made and high-performance applications. Aastra offers you a comprehensive suite of proprietary software products and certified third-party applications. CTI (Computer Telephone Integration), UMS (Unified Messaging Systems), alarm generation and Call Centre solutions facilitate the professional management of incoming and outgoing calls and increase your employees' efficiency.

》 **Impress your customers with innovative services**

Innovative CTI solutions (e.g. Aastra OfficeSuite) permit you to integrate existing contact databases (e.g. Microsoft® Exchange™, Microsoft® Outlook™) with your telephony functions. Even before a call is accepted, you can have all the contact data for the customer clearly displayed on your screen. You can thus adapt your greeting in a professional manner and document and process the enquiry.

Multiple configuration possibilities

The A150/300 system can be configured via an SIP, ISDN or analogue exchange connection, in both online and offline operation.

Security has priority

Aastra products are subjected to the most rigorous of quality standards and are checked by independent test institutes for their faultless and stable operation. The large number of installed systems and the customers' satisfaction are the result of our comprehensive competence and many years of experience.

Take advantage of our know-how
The installation of a new communications system should always be preceded by a careful analysis of the current situation and the actual requirements. Based on this investigation, the appropriate system solution can be precisely defined to meet your specific needs.

» Aastra, your reliable partner

Partners that have been carefully chosen and trained by Aastra are your guarantee of a trouble-free and efficient system implementation. It goes without saying that our service partners are chosen and trained with an extensive knowledge to provide you with support during operation of the system.

Do you need more information?
You can obtain additional information about our products on the Aastra Home Page or from your Aastra sales partner.

Basic configuration of IntelliGate	150	300	isyLink (300+150)	isyLink (300+300)
System interface LAN / V.24	2 / -	2 / -	4 / -	4 / -
Slots for expansion cards	2	4	6	8
Interfaces for Office system terminals	2	4	6	8
Interfaces for analogue terminals	2	2	4	4
Inputs for music source	1	1	1+1	1+1
Voice over IP (VoIP)	integrated	integrated	integrated	integrated
Standard Voice Mail	integrated	integrated	integrated	integrated
DECT mobile telephony	integrated	integrated	integrated	integrated

Maximum configuration of IntelliGate	150	300	isyLink (300+150)	isyLink (300+300)
Total No. of subscribers	12	50	60	60
IP terminals	12	50	60	60
Office corded system terminals	10	42	52	60
System terminals Office (Non-IP)	10	40	50	60
ISDN terminals (2 per S-Bus)	10	24	34	48
Analogue terminals	10	18	28	36
DECT terminals	10	50	60	60
DECT radio cells 4 / 8 channel	10 / 5	20 / 10	20 / 10	20 / 10
GSM subscriber	20	100	100	100
Total No. of subscriber interfaces	12	22	34	44
LAN ports optional	8	16	24	32
Subscribers AD2 / a/b / S0	10 / 10 / 6	20 / 18 / 12	30 / 28 / 18	40 / 36 / 24
Total No. of trunk interfaces	4	8	12	16
SIP-Trunk Provider	10	10	10	10
SIP-Trunk Access	500	500	500	500
SIP-Trunk Simultaneous channels	8	16	16	16
Digital trunk interfaces T0	4	8	12	16
Digital trunk interfaces T2	2	4	6	8
Analogue trunk interfaces	4	8	12	16

IntelliGate benefits and options:

Future-oriented communications platform with integrated Voice over IP (VoIP) functionality

Suitable for companies from all sectors

Modular expansion and upgrade path

Optimised everyday use thanks to a broad range of terminals with intuitive user guidance

Wide range of advanced features and team functions for efficient working

Compact design telephone handset range

Direct connection of IP telephone terminals

Fully integrated cordless telephony (DECT) for availability throughout the company's premises

Possibility to integrate external terminals (e.g. mobile telephones) as internal subscribers

Support of Voice over Wireless LAN- Components

SIP compatible for trunk lines and terminals

Integrated, highly-functional voice mail system

Integrated automatic call switching (Auto Attendant)

Call Centre

CTI functions: Name selection, Clip display, Microsoft® Outlook® calendar notification on Office telephones

E-mail notification of waiting voice messages

Link to external directories/contact databases (e.g. Microsoft® Exchange, Microsoft® Outlook®, telephone book CD)

Alarm generation solutions (e.g. in production environments)

Flexible linking of a wide range of third-party applications via standardised interfaces (TAPI, Corba)

Fully featured transparent networking for up to 40 systems or sites using Voice over IP

Efficient system management

Remote maintenance/remote alarm system possible

Flexible wall and rack mounting

Presented by your Aastra partner:

Certified Quality System

ISO 9001:2000
Reg. Nr. CH-20191-02

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