



# Product introduction

## NuBiz®NC5200S Integrated multi-service IPPBX



- built-in 4E1, 256 Road multimedia resources
- 1U 19" all-in-one box chassis design
- Support standard protocols: SIP、MGCP、H.248
- Professional operating system and modular software architecture
- Support all basic voice services, supplementary services

### 1. Overview

NuBiz ® NC5200S not only meets the demand for basic voice communication, and makes full use of the built-in integration functions. With the powerful unified application, it provides a superior intelligent communications for your users and customers. It's able to streamline processes, optimize information exchange between systems, and then to create a simple, efficient communication experience. As a highly integrated IP phone system, NC5200S meet independent enterprises, as well as small, medium-sized enterprise networking offices and corporate headquarters communications needs. It provides a complete set of voice communication for the developing enterprises, message processing, networking, meetings, customer management, and unified communications solutions.

NuBiz ® NC5200S support basic services, and provides a wealth of supplementary services such as short message, fax and data services. It can meet a variety of business needs of corporate users. In the same time, the system also provides supporting business server, including voice mail, fax services, call center, attendant console system more flexible, value-added business applications. .

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## 2. Features and advantages

- **system design**

1U 19" all-in-one design, high-performance CPU, FPGA, DSP and other hardware chip, professional embedded operating systems and distributed design. With product of a single, compact, NC5200S achieves in rich communication features.

- **System capacity**

A maximum of 256 registered users, 4 \* E1/T1/J1 interface, 256 DSP channels, 100 Road built-in multi-level IVR, and 256 Road, built-in conference resources

- **Protocol processing**

- 1) SIP/MGCP/H.323/H.248/T.38;
- 2) SS7/PRI/R2/TUP/ISUP/Q.SIG/uPRA;
- 3) Wi-Fi/GSM/PHS, SMPP/SMAP和RADIUS;

- **Business fuction**

NC5200S supports the broadband, narrowband and wireless users, and provides a wealth of supplementary services, the flexible expanded value-added services, short message, mobile roaming and other mobile services, the same time, supports the call center, built-in WEB management.

## 3. Technical Specifications

product	NC5200S
<b>The main function and performance index</b>	
<b>Service Capability</b>	<ul style="list-style-type: none"><li>• Basic service: voice, vedio, fax</li><li>supplementary service: CID, CFU, CFB, CFNA, CFN, CFO, CT, CW, local number inquir y,auto attendant, Three Party Services, conference call, Number share, user group 、 on-e phone with many numbers</li><li>value added service: voice mail, card number service, Dialing binding prepaid busin ess, call center, Reservation-meeting, Exhaled type meeting, conference bridge, Atten dan-t console and so on.</li></ul>
<b>mobile technology</b>	<ul style="list-style-type: none"><li>• Support Wi-Fi、 PHS(RPC/CSC)、 GSM</li><li>• Built-in HLR/VLR/SMS gateway, support roaming, switch、 positioning</li><li>• Support SMPP、 SMAP</li></ul>
<b>Operation and maintenance</b>	<ul style="list-style-type: none"><li>• centralized network management, multi-management, centralized tracking, statistical services which are based on WEB</li><li>• Personal self-service, Web navigation configuration features which are based on WEB.</li><li>• CDR files output, RADIUS billing authentication interface,WEB ticket management</li><li>• Support signaling tracking tools and FE port mirror</li></ul>

Genew Technologies Co. Ltd.  
Tel: +86-755-36988868-8315

Mob: +86-13480735864

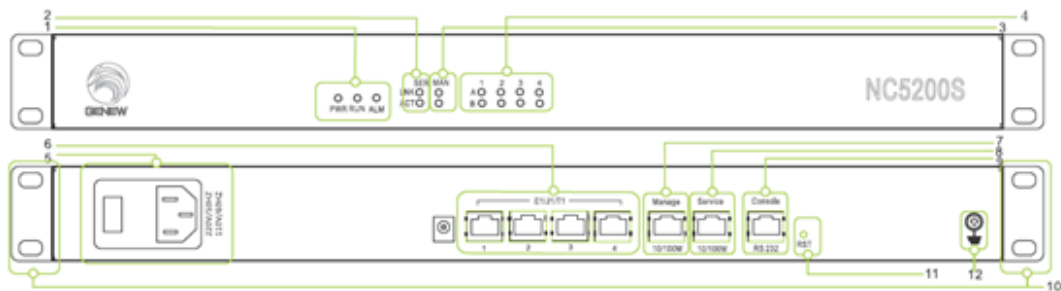
Website: [www.genew.cn](http://www.genew.cn)  
Mail: [wangran@genew.com.cn](mailto:wangran@genew.com.cn)

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<b>System performance and other special functions</b>	<ul style="list-style-type: none"> <li>• BHCA &gt;70K</li> <li>• Support the function that as a terminal register trunk to other GK or SIPserver</li> <li>• Support the function that as GW equipment controlled by the superior the GK / SS control completed trunk calls</li> <li>• Support any protocols switching among SIP/H.323/H.248/MGCP/SS7/PRI</li> <li>• Support automatic routing function</li> <li>• Support arbitrary transformation of caller/called number.</li> <li>• 15 level permissions to restrict calls; support high-capacity, black-and-white list and stopping and resetting machine interface (in conjunction with NuBiz limited call server) and period limit call.</li> <li>• Support user groups, Synchronous vibration, queueing, re-election and Pickup.</li> <li>• Supports a maximum of 1000 calling number pool</li> <li>• Support the the SS7 calling number hidden function</li> <li>• Support built-in IVR voice prompts, built-in the switchboard business and playback function of card number business.</li> <li>• Support card number business users prepaid business (in conjunction with NuBiz BSS)</li> <li>• Support users the CDRs upload to Radius (in conjunction with NuBiz BSS)</li> <li>• Support users the CDRs upload to network management (in conjunction with NuBiz BMS)</li> </ul>
<b>VoIP technology</b>	<ul style="list-style-type: none"> <li>• Silence suppression, echo suppression, packet loss compensation, dynamic jitter buffer, DTMF detection / suppression / generation</li> <li>• G.711、 G.723.1、 G.729、 G.726-32、 T.30、 T.38、 FR、 EFR、 AMR</li> </ul>
<b>physical characteristics</b>	
<b>power</b>	AC input: 88V-264V, 47-64Hz
<b>Runtime Environment</b>	operating temperature: 10°C-40°C (50°F-104°F); Operating Humidity: 5%-90% (No condensation)
<b>Storage environment</b>	Storage temperature: 0°C-50°C (32°F-122°F); Storage humidity: 0%-95% (No condensation)
<b>size</b>	486mm (length) × 176mm (height) × 324.2mm (depth)
<b>certification</b>	
<b>Communication industry standard</b>	CE, FCC
<b>Safety and electromagnetic compatibility</b>	FCC Part15 Class A, UL, CE

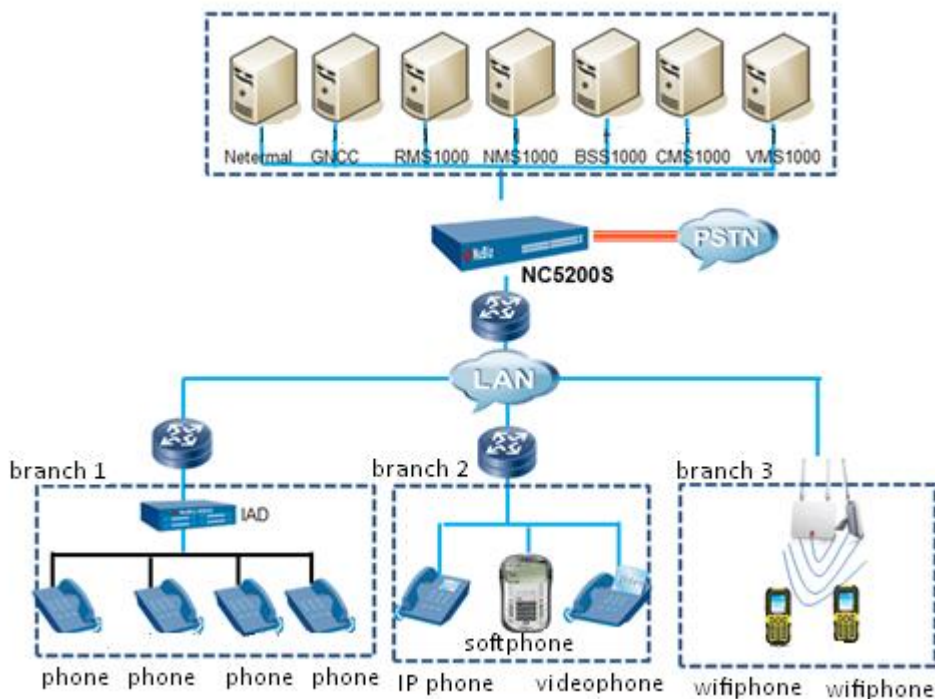
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## 4. Frame diagram



- |  |                              |
|--|------------------------------|
| 1、PWR, RUN, ALM: system status lights  | 2、SER: Service light         |
| 3、MAN: network management light        | 4、A/B 1-4: E1 status light   |
| 5、AC interface                         | 6、E1/J1/T1: E1 interface     |
| 7、Manage: network management interface | 8、Service: Service interface |
| 9、Comsole: maintenance interface       | 10、double hanging ears       |
| 11、RST: reset                          | 12、grounding interface       |

## 5. Typical case



- |   |                             |
|---|-----------------------------|
| Note: Neternal: communication assistant | GNCC: call center           |
| RMS1000: Recording system               | NMS1000: network management |
| BSS1000: Billing system                 | CMS1000: conference         |
| VMS1000: voicemail                      |                             |

Genew Technologies Co. Ltd.  
Tel: +86-755-36988868-8315

Mob: +86-13480735864

Website: [www.genew.cn](http://www.genew.cn)  
Mail: [wangran@genew.com.cn](mailto:wangran@genew.com.cn)

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NC5200S provides solutions for small and medium enterprises to help customers solve the basic voice communications, instant messaging and other business functions. Meanwhile it also provides mobile office, call centers, multimedia conferencing and other value-added applications business. In addition, through integration with existing enterprise information platform, it can reduce costs and improve the efficiency of the office customer information platform construction and maintenance, and enhance the company's image and core competencies.

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Tel: +86-755-36988868-8315

Mob: +86-13480735864

**Website: [www.genew.cn](http://www.genew.cn)**  
Mail: [wangran@genew.com.cn](mailto:wangran@genew.com.cn)