

iX1600 GLOBAL CS[®] HD Voice Quality iPBX Data Sheet

The iX1600 is an Intelbased GLOBAL CS iPBX System with PSTN / telephone ports. The iX1600 features UniQ PCS Engine and Uniq PCS Admin and Billing System

distribution with various combinations of telephony ports. The device may be equipped with up to 32 analog ports, up to eight (8) BRI ISDN ports or up to four (4) PRI/R2 ISDN E1/T1 port. The iX1600

supports up to 572 PSTN / Analog phones ports with external units, up to 1600 users and up to 452 concurrent calls with an echo canceller and 512 concurrent calls without an echo canceller.



 iX1600 is an Enterprise HD voice quality iPBX

Features

- HD Voice Quality (G722.2 AMR-WB)
- Video Phone
- Unlimited Extensions
- CDR (Call Details Record) via Web access
- TDM/SIP/IAX Trunks
- Remote Extensions
- Voicemail
- Fax Support
- Voicemail to Email
- IVR Menu System
- Ring Groups
- Call Queues
- Conference Rooms / Telephony Bridge
- Follow-Me
- Time-Based Routing
- Advanced Dialing Rules
- Music-On-Hold
- Paging and Intercom
- Web Access to Voicemail
- User friendly Web Interface
- Interface in Different Languages
- Network Settings Tool
- Phone Provisioning Tool
- Echo Cancellation - OSLEC (Open Source Line Echo Cancelation)

Software

Engine Version	UniQ-PCS 1.6.22
OS Version	Linux CentOS 5.3
GUI	Administration and Billing Interface
<u>Support Tunneling</u>	Utility providing secure remote access for product support purposes
<u>Load Balancing/HA</u> (optional)	High Availability and Load Balancing for a clustered solution with iX1600 (requires min two identical iX1600 units, a load balancer and Storage/CTI unit)

Hardware

Processor	Intel Quad Core 2.6 GHz
RAM	4 GB
Hard disk	80 GB 2.5"
RAID1 (optional)	Dual hard drive for increased system reliability
USB	4 external USB 2.0
I/O Ports (optional and model-specific)	Input/Output ports for phone peripheral device support
POTS Public Address	Public Address capability for FXS port(s)


Telephony

Maximum number of concurrent calls	512
Maximum number of built-in analog ports	32 (additional ports with external units)
Number of E1 / T1 ports	4 (up to 120 concurrent PRI/R2 calls)
Maximum telephony modules supported internally	4 (additional ports are supported by adding Port units)
Maximum number of telephony ports supported internally	144 (E1 PRI/R2 + 24 analog ports)
Supported iX1600 telephony modules	<ul style="list-style-type: none"> • 8 FXS ports • 8 FXS ports + I/O ports • 8 FXO ports • 2 FXO ports, 6 FXS ports + I/O ports • 4 PRI/R2 port • Up to 8 BRI ISDN ports

Network

Ethernet port - standard	10/100/1000 MHz
Ethernet port - additional	10/100/1000 MHz (factory-installed)

Power

Power supply	Internal
Voltage	Switching, auto adjust 110/220 Volts, 50/60 Hz
Power consumption	230 Watts (maximum)
Built in grounding connection	

Maintenance and Support

- Monitor and keyboard support
- RS232 serial port
- [Rapid Recovery™](#) backup utility provided on Disk
- [Live Rescue™](#) utility for creating bootable USB Disk-on-Key for disaster recovery)
- [Support Tunneling](#) utility providing secure remote access for product support purposes
- Internet updates

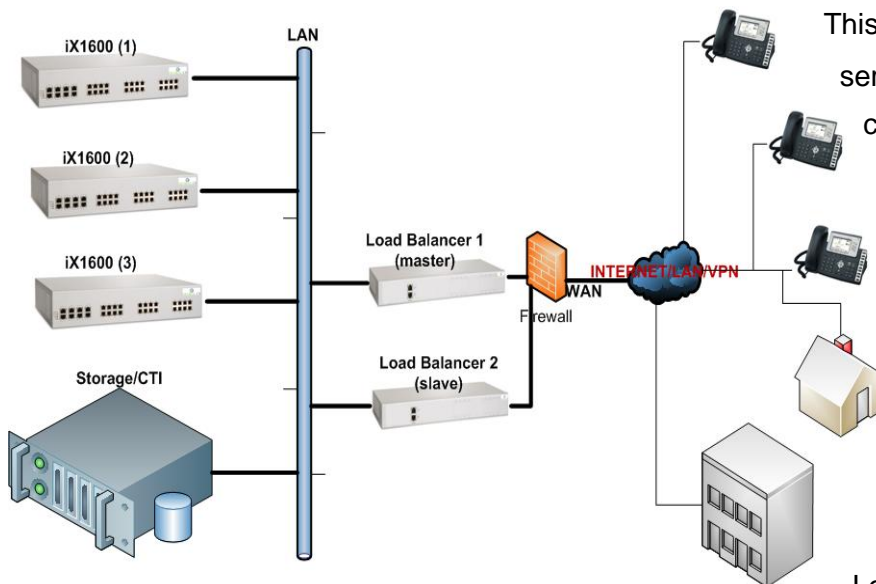
Environment

Storage temperature	-20° to 70° Celsius (-4° -158° F)
Working temperature	0° to 40° Celsius (32° -104° F)
Humidity	20%-95%, non condensing

Dimensions and Weight

Weight	8 Kg 18Lbs (weight depends on configuration)
Size	19" 2U industry standard rack-mountable chassis

Clustered High Availability and Load Balancing with iX1600



This topology provides a highly available services, increase user and concurrent calls capacity (load balancing).

Additional iX1600 may be added to the network as extra capacity is required.

Number of iX1600: 3 (Max: 92)

Number of Load Balancer: 2

Number of Storage/CTI: 1

Total number of users: 3x1600

Total concurrent calls: 3x512

Availability: Excellent

Load Balancing: Round-Robin

Feature and Functionality

Unified Communications	
Voice Over IP HD Quality	✓
Conferencing	✓
Call Queues	✓
Fax	✓
Video Calling	✓
IMAP Mailbox	✓

Extensions	
Extensions ¹	Unlimited
IP Phone / ATA Extensions ¹	Unlimited
Analog Phone Extensions ¹	Unlimited
Call Queue Extensions	✓
Virtual Extensions	✓
IVRs	✓
Extension Templates	✓
Control Permissions for Each Extension	✓
3-, 4-, and 5-Digit Extensions	✓
6-Digit Extensions ¹	✓
Extension Groups	✓

Calling Methods	
VoIP	✓
Analog Phone Lines	✓
T1/E1 (PRI ISDN) Phone Lines	✓
BRI ISDN Lines	✓
Connecting Multiple Switchvoxes	✓

Administration	
Phone Provisioning	✓
Disk-space Quotas	✓
Bulk Import for Extensions	✓
Access Control	✓

Logging and Reporting	
Scheduled Reports	✓
Current Calls	✓
Call Logs	✓
Call Reporting	✓
Queue Status	✓
Queue Reports	✓
Error Log	✓

Call Control	
Hold	✓
Assisted Transfer	✓
Blind Transfer	✓
Call Parking	✓
Do Not Disturb	✓
Send Calls	✓
Directed Pickup	✓

Voicemail	
Multiple Custom Greeting	✓
Custom Message Notification	✓
Flexible Voicemail Access	✓
Voicemail to your Email Inbox	✓
Automatic Mailbox Creation	✓
Voicemail Blast Groups	✓
0 out of Voicemail	✓

Conferencing	
Simple Conference Room	Unlimited
Meet Me Conference Center	✓
Listen-only Conference Calls	✓
Conference via Handset	✓

Music on Hold	
Custom Music on Hold	✓
Music on Hold Included	✓
Queue Specific Music on Hold	✓

Online Tools	
Users Tool Suite	✓
Administrators Tool Suite	✓
Switchboard (Operator Console)	✓

Custom Sound Recordings	
Sound Manager	✓
Record Same Sound in Multiple Lang.	✓
Switchvox Comes with over 300 sounds	✓

Recording and Monitoring	
Call Recording	✓
Call Monitoring	✓

Feature and Functionality

IVR	
Play Sound	✓
Record Sound	✓
Play Recorded Sound	✓
Email Recorded Sound	✓
Record Digits	✓
Say Digits / Letters	✓
Say a Number	✓
Say Date / Time	✓
Dial Extension	✓
Send to Voicemail	✓
Send to External Number	✓
Go to another IVR menu	✓
Send Call Values to a URL	✓
Gate Keeper	✓
Conditional Clause	✓
Time-based Clause	✓
Change Language	✓
Alter Caller ID	✓
IVR Option Settings	✓
Send an Email	✓
Set Global Variable	✓
Get Global Variable	✓
Get Extension Status	✓
Get Extension Type	✓
Check User Password	✓
Perform Math	✓
Concatenate Variables	✓
Send Recorded Sound to Voicemail	✓
Store Recorded Sound in Sound Manager	✓
Upload Recorded Sound	✓

Call Queues / ACD	
One-touch Log-in / Log-out / Pause	✓
Unlimited Call Queues	✓
In Queue Call Routing	✓
Route when a Queue Caller Presses "0"	✓
Queue Caller Time-out	✓
Queue Member Circuit Limit	✓
Route when Max Queue Length Reached	✓
Route when No Members Logged In	✓
Custom Music on Hold Per Queue	✓
Invisible Queues	✓
Members Never Busy	✓
Announce Position in Queue	✓
Announce Estimated Hold Time	✓
Announcement Frequency Control	✓
Log-in Queue Members	✓
Permanent Queue Members	✓
Real-time Queue Status	✓
Historical Queue Logs	✓
Historical Queue Statistics	✓
Advanced Queue Charts	✓
Acknowledge Call	✓
Auto Log-off	✓
Queue Member Presence	✓
Agent-only Extensions	✓
Ring All	✓
Round Robin	✓
Fewest Calls	✓
Least Recently Called	✓
Random	✓

Certifications



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