

# Checkmarq VBX Series

## Enterprise PBX made affordable

**The Checkmarq VBX Series are high-quality PBX systems with complete “enterprise functionality” for small and large organizations**

### Telephony of this Era

Technology moves on, every single day. Communication has evolved tremendous the past years, mainly caused by the Internet. Websites, eMail, Messaging came along with the Internet as new technologies. Television, radio and printed press changed noticeable since the introduction of the Internet.

The same is happening with plain old telephony. De availability of VoIP (Voice over Internet Protocol) and more computer intelligence integrated into the PBXs, brings de business user more flexibility, more options. For example, with VoIP, the office desk phone isn't bound to a single desk anymore without patching wires, ideal for nowadays trends like flex desks and home workers. Also, more interactivity and automation found it's place in the desk phone; intelligent automatic responses and flows when a worker is just not at his desk are not an option that costs a fortune anymore. Interaction with the desktop computer, large phonebooks easy searchable, and so on, all possible these days.

The options are almost unlimited currently, however PBX systems that offer all these functions are only affordable for large companies due their high cost of ownership.

### Cost efficient

Conventional telephone tariff call costs are lowered noticeable the past years. But with the implementation of VoIP telephony, the cost per minute can be even lowered more. However, business PBX systems that support VoIP and legacy phones, and include a complete set of the latest functionalities, are still on a price level that is relatively high, also caused by expensive modules and licenses per seat. This is where The Checkmarq VBX-Series comes in. Checkmarq delivers high quality and robust business PBX system with extensive functionality for a bargain price compared to competitive PBX systems. The '100.000 Dollar PBX', as the fully fitted enterprise PBX is known by, with a price tag of a middle market PBX system. No licenses per endpoint device or port, no physical limitations for number of phone devices per PBX, no expensive upgrade module to connect more phone devices. The Checkmarq VBX-Series let you add phone devices and functionality as long as the processing load of the VBX can handle it.

### Enterprise functionality

- The Checkmarq VBX-Series run on optimized firmwares which delivers a broad functionality, without purchasing additional modules. Functionality you normally only find in expensive enterprise PBX systems. All functionality in included with the VBX-Series PBX appliances, it's up to you to activate them or not. And if that's not enough; more functionality get included with the updates that Checkmarq releases on regular bases. Find below a list of the most important features default included:
- Virtual unlimited number of VoIP devices
- Virtual unlimited number of VoIP trunks
- Variable routing for incoming and outbound calls (Least Cost Routing)
- QoS (Quality of Service) for network routing with backup option
- Upgrade modules for ISDN BRI and PRI ports, in NT and/or TE mode
- Upgrade modules for FXS and FXO ports with support for MWI and AUX ports that support opening door modules, etc.
- Parking of calls
- Voicemail per user, team, department, organization
- Voicemail to e-mail functionality

- Fax per user, team, department, organization per email in PDF format.
- Fax server with Windows, Mac OSX and Unix clients
- Support for conventional fax devices
- Phone devices not desk bound, even not office bound; phone devices can be over the Internet around the world
- IVR without physical of license limitations
- Calling groups
- Queues with complete support-desk functionality and in-line/ duration announcements
- Variable music on hold
- DID, CID, with option for blacklisting and variable actions
- Time conditions, full yearly calendar support, routing options to voice-mails, queues, call groups, etc.
- 'Do Not Disturb' with extended routing functionality like voicemail, other extension,etc.
- 'Follow Me' functionality with extended routing options
- Intercom and force announcements
- Call Waiting and multiple lines/accounts per device
- 3-way calling
- Multiway calling, conferences
- Variable outbound/inbound call blocking, like pay numbers, long distance, etc.
- Voice recording to e-mail per user
- Call recording per user, call group and queue
- Caller ID lookup from internal/external sources, database, CRM systems
- API for fully integrations with CRM applications and Servers.
- Detailed call reports with export to cvs/xls files

### Hybrid PBX

VoIP (Voice over Internet Protocol) brings many possibilities in both scalability and cost saving. However the nature of the Internet protocol is not optimal for realtime transport, like voice conversations should be. To optimize voice transport over internet networks, the Checkmarq VBX-Series offers the possibility for activating Quality of service (QoS) on concerning networks, prioritizing the Voice network packets over other network packets, like web browsing and email. However, prioritizing voice packets is not always possible, and this is where echo cancelation comes in. The VBX-Series are equipped with the latest, smart self learning, echo cancelators to give you good quality voice conversations, even when the transporting network delays voice packets.

VoIP over internal, manageable networks is no discussion regarding voice quality. For internal connections a separated network for telephony gives a 100% voice quality guarantee for telephony, and an even better voice quality than conventional phones and PBXs. When a separated network is not possible, physical or budget wise, fully managed internal QoS makes sure the voice packets always transport over the network without delays.

Nevertheless, if your company is not yet ready to use VoIP, internally and/or externally, but want use of the full, license less, functionality of the Checkmarq VBX-Series, you can use the VBX-Series to connect you legacy phone lines and/or phones, since all VBX-Series are hybrid products. Both VoIP and conventional ISDN/ analog telephony devices and lines are possible, in any combination. This gives your company flexibility now and in the future.

*office  
telephony  
sophisticated  
manageable*

**Checkmarq supplies  
high-quality PBX  
solutions for  
competitive prices.**

**Contact us and  
discover how the  
Checkmarq VBX Series  
can reduce your  
telephony costs.**

# Checkmarq VBX Series

## Technical Specifications

|                        | VBX-1000        | VBX-2000        | VBX-4000          | VBX-8000          | VBX-16000         |
|------------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| <b>Performance</b>     |                 |                 |                   |                   |                   |
| Network                | 2x 1Gbps        | 2x 1 Gbps       | 2x 1 Gbps         | 2x 1Gbps          | 2x 1Gbps          |
| Storage                | 80 GB           | 80 GB           | 80 GB             | 160 GB            | 500 GB            |
| Storage Type           | Single harddisk | Single harddisk | Mirrored harddisk | Mirrored harddisk | Mirrored harddisk |
| Extension ports        | 1               | 1               | 1                 | 1                 | 1                 |
| <b>Scalability</b>     |                 |                 |                   |                   |                   |
| Approx. # of phone/fax | 5 devices       | 20 devices      | 40 devices        | 80 devices        | 160 devices       |
| BRI (ISDN-2) ports     | 1x ISDN BRI     | 2x ISDN BRI     | 4x ISDN BRI       | 4x ISDN BRI       | 8x ISDN BRI       |
| PRI (ISDN-30) ports    | Optional        | Optional        | Optional          | Optional          | Optional          |
| Analog FXS/FXO ports   | Optional        | Optional        | Optional          | Optional          | Optional          |
| <b>Extension</b>       |                 |                 |                   |                   |                   |
| Rackform factor        | No              | 1U or 10"       | 1U or 10"         | 1U or 10"         | 1U or 10"         |
| Extension port used    | 1               | 0               | 0                 | 0                 | 0                 |
| <b>Power Supply</b>    |                 |                 |                   |                   |                   |
| Units                  | 1x AC           | 1x AC           | 1xAC              | 1x AC             | 1x AC             |
| Watts (max)            | 90              | 200             | 260               | 260               | 260               |
| V                      | 100/240         | 100/240         | 100/240           | 100/240           | 100/240           |
| Amps (max)             | 0,15 /0,06      | 4/2             | 4/2               | 4                 | 4                 |
| Frequency range (Hz)   | 50 - 60         | 50-60           | 50-60             | 50-60             | 50-60             |
| <b>Cooling system</b>  |                 |                 |                   |                   |                   |
|                        | 1x 4cm fan      | fanless         | 2x 4cm fan        | 1x 10cm fan       | 1x 10cm fan       |
| <b>Dimensions</b>      |                 |                 |                   |                   |                   |
| Rack form factor       | Small Desktop   | 1U              | 1U                | 1U                | 1U                |
| Height (inches)        | 7,3             | 1,7             | 1,7               | 1,7               | 1,7               |
| Height (cm)            | 18,6            | 4,3             | 4,3               | 4,3               | 4,3               |
| Width (inches)         | 3,5             | 17,2            | 17,2              | 16,8              | 16,8              |
| Width (cm)             | 9,0             | 43,7            | 43,7              | 42,6              | 42,6              |
| Depth (inches)         | 10,6            | 9,8             | 11,3              | 14,0              | 14,0              |
| Depth (cm)             | 27,0            | 24,9            | 28,7              | 35,6              | 35,6              |
| <b>Certification</b>   |                 |                 |                   |                   |                   |
|                        | CE/FCC/UL/ROHS  | CE/FCC/UL/ROHS  | CE/FCC/UL/ROHS    | CE/FCC/UL/ROHS    | CE/FCC/UL/ROHS    |

YOUR RESELLER

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