



**“Innovative”**

Advanced, ahead of the times, something not created or experienced before.

Introducing

**Quantum Micro**

The Innovative Smart IP Phone System for Small Enterprise

## Quantum Micro - Smart IP Phone System for Small Enterprise



LCD: 128 x 64 graphic  
LAN : 10/100M (PoE)  
PC : 10/100M  
Trunk line : 1,2,3,4 keys  
Headset capability  
Message waiting indicator.

**Innovative Plug and Play solution** - Just plug the handsets into the LAN, the handsets connect to each other and form a phone system.

Includes common PBX features like Intercom, Hold, Transfer, Auto Attendant, Voicemail etc.

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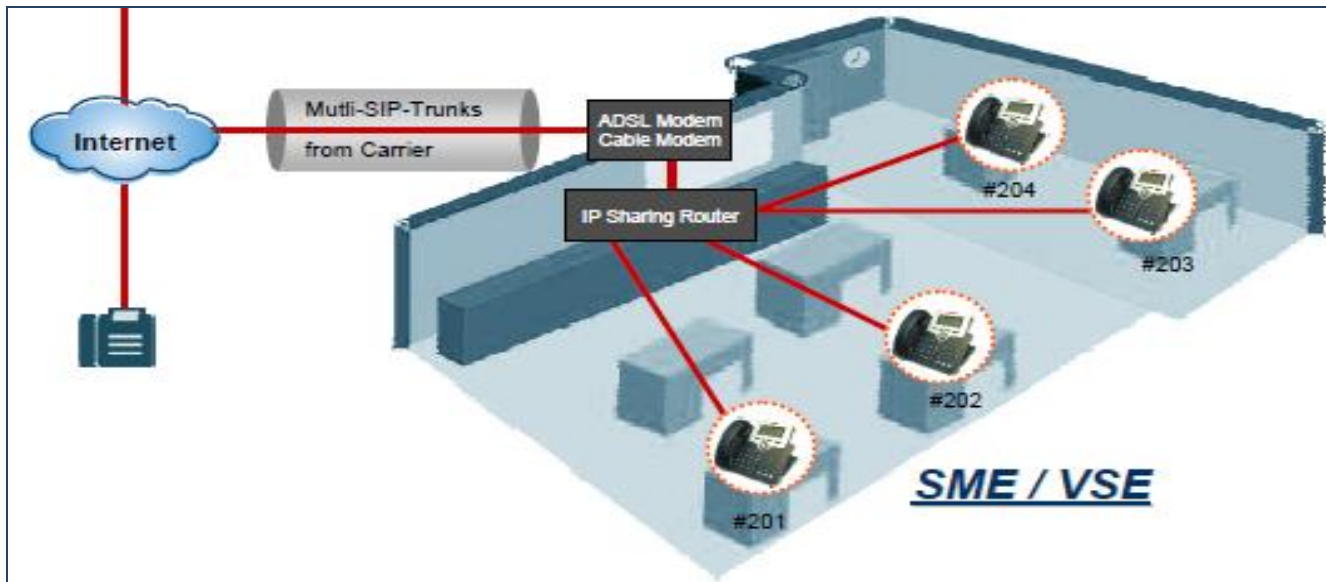
## Quantum Micro - Smart IP Phone System for Small Enterprise

### Server- less Smart Phone System

Phone system capability is built into the IP handsets.

When plugged into the LAN, the handsets identify each other and connect to form a phone system.

Supports PoE or external power adaptor input.



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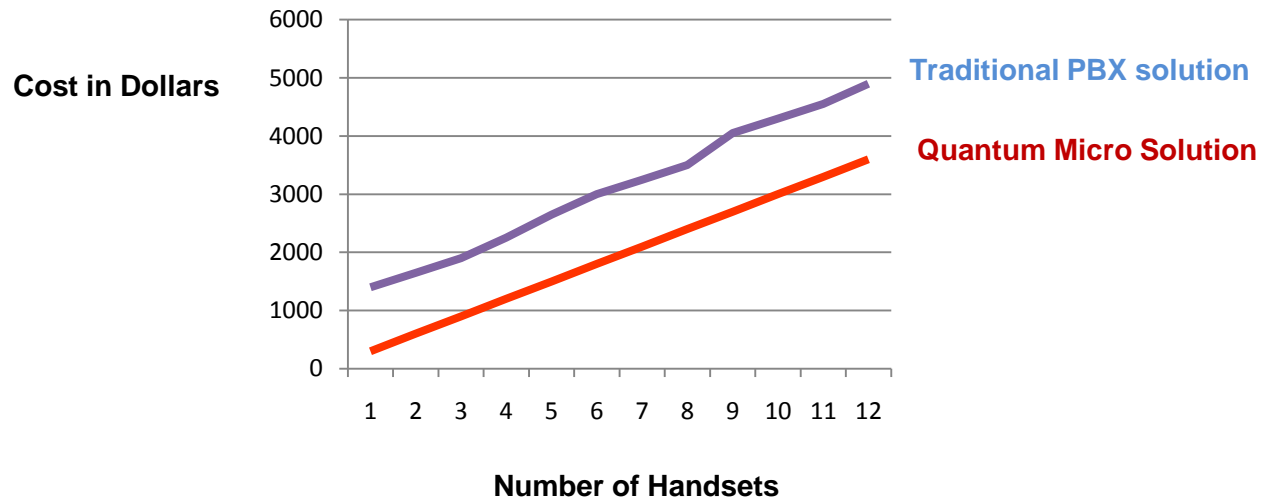
### Competitive cost v/s performance

Costs 33% less than a traditional server based PBX or IPBX solution

Cost of the System = Cost of handsets.

Integrates Auto Attendant, Voicemail and many advanced features.

Modular Solution – start with a few handsets and add more as business grows.



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### Cost Savings

Plug and Play capability reduces install costs.

No need to spend on extra cabling, Installs on the existing computer network.

Leverages SIP trunking to offer big savings on Line rentals and call rates.

### Far superior to a hosted solution

All intercom calls use P2P protocol and save on internet resources.

Smart IP Phones use P2P protocol for intercom calls and help save bandwidth and reduce internet traffic congestion.



Intercom calls on a hosted PBX service need to access the ISP server and hence add to bandwidth usage and internet traffic.

## Quantum Micro - Smart IP Phone System for Small Enterprise

### Professional System

Share 4 Trunk lines across up to 16 extensions. Flexible call management allows you to control how your calls are answered to suit your business needs.

Incoming calls can be routed directly to extensions or answered by Auto Attendant. Its like having a receptionist 24 hours a day.

Never miss a call with the built in Voicemail capability, total recording length of 20 minutes with a maximum 50 messages. Message waiting indicator lights up to confirm new message.

*“Welcome to XYZ Company If you know the extension, please dial now or hold for operator assistance”*



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## SYSTEM

Max 4 SIP Trunks  
Max 16 extensions  
Plug and Play  
Dynamic IP Assignment  
Peer Discovery  
P2P Capability  
SIP RFC 3261

## ADMINISTRATION

User Configurable  
Reset to factory defaults  
System Clock setting,  
manual / NTP server  
System Diagnostics  
Software Upgrade  
HTTP server for phone  
management  
Auto Provisioning  
Configuration Backup and  
restore from PC

## CALL FEATURES

Call hold & Call reminder  
Call Log – Answered, Missed  
and Dialed.  
Call timer and Duration  
Call Transfer  
Direct Inward Dialing  
Calling Line Identification  
Calling Name Identification  
3 Way Conferencing  
Do Not Disturb  
Distinctive Ring Tone  
Last Number Redial  
Message Waiting Indicator  
Call Blocking – Incoming and  
Outgoing  
4 Multiple line appearances  
Multi Language support  
Paging  
Call Forwarding

## CALL FEATURES

Mute  
Call Log  
Call timer & duration  
Last number redial  
Company Directory  
Private Phone Book  
Speed Dial  
Volume Control  
Hands Free Support  
Headset Support

## VOICEMAIL

Message Play, Skip, Delete  
Message Waiting Indication  
Personal Greeting Record  
System Greeting for Auto  
Attendant  
Voicemail Playback  
Password Change  
Audio Storage in IP Phone

## AUTO ATTENDANT

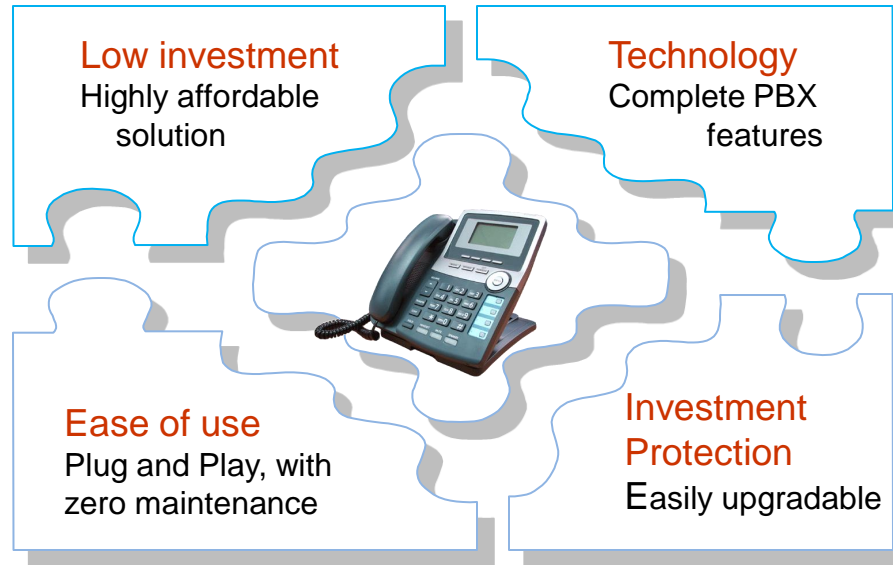
Call Answer Control  
Day/Night Service mode  
Dial By Extension  
Escape to Auto Attendant  
System Greetings &  
Prompts  
User configurable AA or All  
ring mode.

## SECURITY

Admin Password  
Reset Admin Password  
User Password  
P2P Signal Encryption  
Call Blocking  
Phone Lock / unlock  
VLAN, 802.1p & 802.1q  
QOS :Diffserv and Tos

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## Quantum Micro - Smart IP Phone System for Small Enterprise



### Advantages for ISP & ITSPs

No Need to invest money in stocking and installing PBX server boxes.  
Plug and Play solution, bare minimum on-site support and service required.  
Reduces network congestion and bandwidth usage with integrated P2P capability.  
Very low maintenance solution, can be easily supported via helpdesk.

### Small Business Friendly Turnkey Solution

Easy affordability, Includes advanced PBX features for improving business efficiency .

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## Business Plan for ISP / ITSP deployment

- Customer buys the Phone Pack from ITSP office or ITSP dealer.
  - Customer reads the VoIP Service application in the box
    - ➔ Gets on the ITSP Website to Subscribe to the service.
    - ➔ Gets the SIP account Information from ISP
  - Checks the Office network IP condition
    - ➔ If DHCP, no need to do anything
    - ➔ If static IP, allots the IP address for the phones
  - Plugs the first phone & configures the SIP accounts thru Administrator account login.
  - Re-power the first Phone with auto-assigned phone number
  - Powers on all other phones which will now auto-assign phone numbers and integrate to form a PBX system
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