

# TinaPilot

## Summary Sheet



### Integrated voice and data solution for education and business

Equinet's latest product, TinaPilot, uses highly integrated converged technologies such as Voice over IP (VoIP), together with sophisticated Quality of Service (QoS) techniques to provide combined voice and data communications solutions for schools and businesses. This unified communications approach significantly improves flexibility while reducing both infrastructure and running costs and can be packaged up into a simple monthly fee. TinaPilot implements the blueprint for the next generation integrated appliance - Telephony Integrated Network Architecture (TINA).

### Telephony Integrated Network Architecture

#### Summary points – Telephony

- Full integration with existing PBX systems and handsets
- Utilises existing LAN infrastructure – no additional cabling required
- Interactive Voice Response (IVR), easily setup for even the smallest organisation, to route incoming telephone calls via keypad or by speech recognition
- Phone numbers that follow the individual
- Message and call recording
- Call blacklisting to automatically reject nuisance callers
- Low cost national and International calls
- Pick-and-Mix from a menu of easily configured voice and telephony features and functions
- Full message type interoperability - voicemail to email, for example
- Full integration with existing firewalls, servers, email and other data equipment
- Virtual Private Network (VPN) technology can be utilised to provide extra security for inter-site voice traffic

#### Summary points – Data

- Advanced firewall for gateway and multi LAN support giving increased access controls and added WAN security
- Anti-Virus, Spam and Malware detection options
- VPN support for secure access through the firewall to PCs, servers and resources on the local network
- Dynamic and configurable web caching greatly improves response times and enables web pages to be served at LAN speeds
- Local backup of servers and PCs – fully automated and encrypted
- Backups compressed and mirrored to a secure off-site location
- Can integrate local Active Directory with URL filtering for seamless user-based web access filtering and logging
- On-board diagnostics of product and networks with alert functions
- Multiple logs ranging from diagnostics and bandwidth usage to Internet access

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### Overview

Many Voice over IP (VoIP) systems are these days available for larger organisations that recognise the on-going cost savings they provide. However, these solutions are expensive to purchase, install and configure, and their deployment means the disposal of an existing PBX. With the Tina family of products this is not the case: TinaPilot has been developed with the smaller establishment in mind, and will integrate with an existing PBX, hence protecting any previous investment that's been made in an analogue telephone system.

Further expansion can be made by adding low-cost IP telephones, or indeed, soft-phones that operate from your PC or laptop. When the time is right, the analogue telephone system can be decommissioned leaving a fully functional VoIP system in place.

Furthermore, as TinaPilot has been developed by Equinet, and the full functionality of the 'Pilot' range of products has been integrated into the appliance.

### Security - Firewall and Threat Prevention

Equinet has been an established name in data security, threat prevention and firewalls for more than twelve years. Advanced firewall, Intrusion detection/prevention systems, Anti-Virus and Anti-Malware scanning systems, as well as Anti-Spam mechanisms are all available with TinaPilot.

### URL Filtering

TinaPilot also fully integrates at a local level with intelligent filtering systems such as Smoothwall Guardian, NetSweeper and SmartFilter giving even greater control over group or individual Internet access. When enabled, this will allow the configuring of individual and group filtering profiles on TinaPilot, along with the ability to instantly add sites to be blocked, or to unblock usually banned sites for specific users, at specific times.

### Bandwidth Optimisation

TinaPilot can deliver and automatically keep updated a plethora of pre-loaded e-learning content at LAN speeds – up to Gigabit rates - and can also deliver cached web pages at the same

speeds too. In addition to being able to pre-cache and keep updated pre-planned and commonly-used web sites, any site browsed by a single person is dynamically cached and fed directly from TinaPilot to all others who wish to access it. Not only does this give the perception of amazingly fast Internet access to many pupils simultaneously, it also leaves your Internet connection free for other things, such as interacting with a Learning Environment, and, of course, telephony.

### Compression, Encryption and VPNs

TinaPilot can provide both voice and data compression providing best use of bandwidth. TinaPilot can also encrypt both voice and data traffic providing multiple levels of security, including use of Virtual Private Network (VPN) technology employing multiple encryption techniques and algorithms. Several types of VPN are supported allowing interoperability with many other devices, and access to PCs and Servers on the LAN for remote access and support purposes.

### Backup

One of the options available on TinaPilot is its sophisticated, but easily configured, file backup function – set it up once and just let it do its job; no more tape changes to worry about. TinaPilot's backup facility is totally automatic, and makes finding the right data to restore very simple – directly from its second drive at high speed.

Encrypted and compressed backed-up data can also be mirrored to a secure off-site location.

### Rack Option

In addition to the cube enclosure, TinaPilot is also available in our standard 390mm depth 2U 19" rack-mount enclosure.

