



# VoIP & WEB CONNECT

VoIP & Web Connect enables businesses to use a single connection for both Voice and Internet, delivering cost savings through reduced line rental. Designed specifically for small and mid sized businesses it provides a simple, reliable, flexible first step towards Voice over IP.

## THE VOIP ADVANTAGE

THUS VoIP & Web Connect offers customers a complete VoIP ready solution; through the deployment of a Samsung Ubigate Gateway, IP Exchange Lines and Direct Internet Access over Ethernet.

## MAKING MIGRATION TO IP TELEPHONY PAINLESS

VoIP & Web Connect has been designed to provide customers an easy migration path to IP Telephony. The service reduces disruption to everyday business and provides deployment cost savings versus alternative solutions. As a service it supports both analogue based phones as well as Ethernet for SIP based handsets.

## SAMSUNG POWERED, CONVERGENCE GATEWAY

### Samsung iBG 2006

A high performance integrated router that is competitively priced and contains business grade, redundancy and QoS features for processing IP voice and data traffic. More than just a voice gateway, the iBG2006 runs PBX features such as Number Analysis and Routing, Caller ID/Name, Call Forwarding, Call Transfer, to name but a few.

### Support On Hand

THUS is available to support your VoIP and Web Connect services 24/7 from the Customer Management Centre (CMC) where trained operatives will assist in troubleshooting issues and providing technical advice.

### Flexible Management

The Ubigate gateway can be managed in a number of ways, notably via a user friendly web based GUI or via command line to help both the Customer and THUS quickly and easily troubleshoot issues.

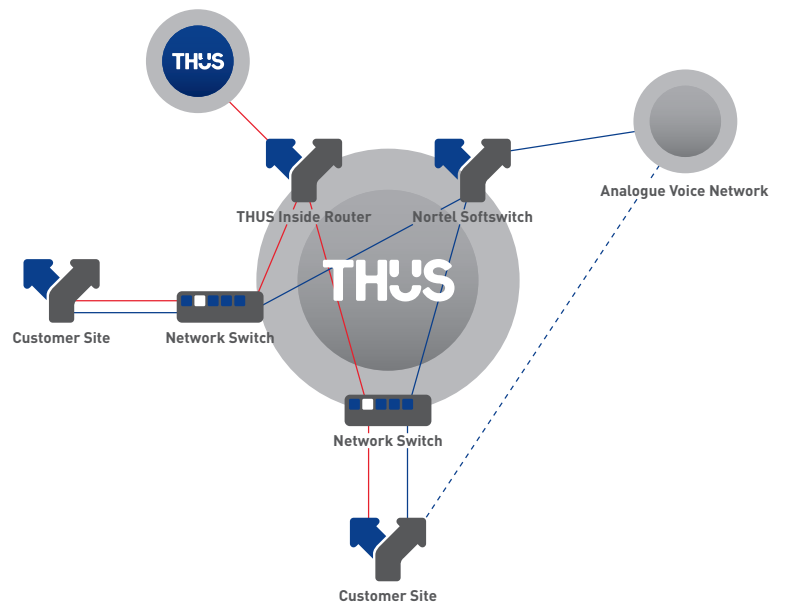
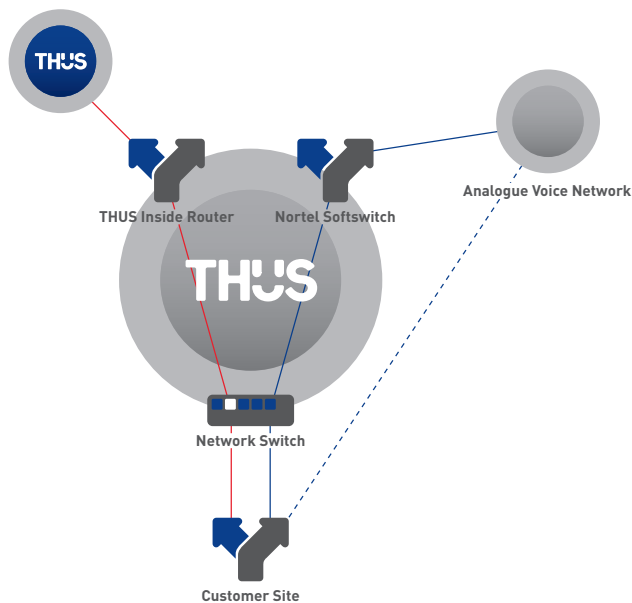
### Business Continuity

Customers need re-assurance that voice services are available, hence the iBG 2006 gateway can fail-over to either PSTN or ISDN.

- Reduce voice line rental spend – use Internet connection for voice
- No need to replace existing PBX – benefit from VoIP without equipment refresh
- Guaranteed quality for voice using private Ethernet connection
- Improved cost management – easily add or remove voice lines
- VoIP enabled network at low cost entry point
- Voice and data traffic prioritisation ensures best use of available capacity

The diagrams below show VoIP & Web Connect services deployed in single site and multi-site situations.

— Dedicated Internet Access (DIA) over Ethernet  
 — IP Exchange Lines  
 - - - PSTN Lines



## PART OF A TOTAL SOLUTION

Both DIA over Ethernet and IP Exchange Lines are industry leading products that support the successful delivery of VoIP traffic to customers' sites.

## DIA (DEDICATED INTERNET ACCESS) OVER ETHERNET

A product ideal for organisations that have outgrown, or have greater demands than can be accommodated by lower speed, access connection services such as broadband. With DIA over Ethernet all connections are delivered to Customers as 1:1 synchronous, allowing you to use the full available bandwidth in both upstream and downstream directions. This characteristic makes DIA over Ethernet ideal for hosting congestion sensitive applications, such as VoIP.

Utilising 10Mbps Ethernet circuits and Ethernet over Leased Lines (EoLL), THUS is able to deliver competitively priced Ethernet services.

Comprehensive support is also built in, based on 24/7 customer service and stringent SLA's with credit schemes for non-compliance because THUS is committed in meeting customer expectations.

## IP EXCHANGES LINES

As a VoIP service forming part of an overall solution, IP Exchanges Lines can be delivered as a true 'end to end' business grade service with THUS managing all elements. This eliminates problems associated with many other VoIP services, where uncontrollable elements can impact reliability and performance (for example, reliance on public internet availability).

THUS IP Exchange Lines are provided from THUS's softswitch across the UK's most extensive next generation network. Lines are provided as either H.323 or SIP (Session Initiation Protocol) based trunks over the customer network.

When considered as part of an overall design for a multi-site organisation, IP Exchange lines can reduce the capital expenditure for network connections, while providing greater flexibility and control over the provision of voice services.

## SAMSUNG UBIGATE, BUNDLE SUMMARY

Bundle	Description	Concurrent calls supported	Data ports	Voice ports
A	iBG 2006	16, 32 or 64	1 x 10/100 FE, STM 4 x 10/100, FE UTP	*2 x FXO (PSTN)
B	iBG 2006	16, 32 or 64	1 x 10/100 FE, STM 4 x 10/100, FE UTP	**2 x BRI (ISDN)
C	iBG 2006	16, 32 or 64	1 x 10/100 FE, STM 4 x 10/100, FE UTP	**2 x PRI (ISDN)

\* Fail-over  
 \*\* Fail-over and/or connection to existing PBX.  
 Also available are 2 and 4 port FXS cards for connecting analogue phones and/or fax machines, and an ADSL module for DSL back-up, if required.