



The OneStream represents a new approach in corporate fixed line, mobile and VoIP telephony convergence.

The OneStream product range can be used to intelligently route calls between the following media:

PSTN (ISDN or Analogue)

GSM

VOIP (SIP and H323)

and do it efficiently and in a scaleable fashion thereby providing cost effective communication for any size of business.

Additionally, OneStream provides incredible cost savings for branch to branch communication. It allows a customer to add VOIP and GSM functionality to either a conventional PABX or to provide the security of proven PSTN and GSM technology to an IP PBX.

Thanks to OneStreams Mobility Extension feature you can also use your mobile phone as an extension of your office PBX.

OneStream FX or BRI connects to any PBX system (IP, ISDN or analogue) in series to the lines and manages routing among GSM-VOIP-PSTN lines for both outgoing and incoming calls.

OneStream is a simple and ready to use solution!

VOIP-GSM-PSTN media gateway

OneStream

The ultimate media gateway for your PBX!



Available Product Versions

- OneStream GFX**
2 GSM, 6 FXO, 6 FXS, 6 VOIP (SIP-H323)
- OneStream G**
2 GSM, 6 VOIP (SIP-H323)
- OneStream ISDN 2 BRI**
2 GSM, 2 BRI, 6 VOIP (SIP-H323)
- OneStream ISDN 4 BRI**
2 GSM, 4 BRI, 6 VOIP (SIP-H323)
- OneStream FX**
6 FXO, 6 FXS, 6 VOIP (SIP-H323)



Mobility Extension
GSM trunking
Using group calling plans



Additional lines
PSTN pass through
Connect to any PBX



Low cost VOIP lines and calling



Connect branches via VOIP lines

The most suitable gateway for any PBX system

OneStream FX or BRI connects to any PBX system (IP, ISDN, SIP or analogue) in series to the lines and manages routing among GSM-VOIP-PSTN lines for both outgoing and incoming calls.

Mobility extension services on any mobile phone.

Thanks to OneStream's Mobility Extension services, you can use a mobile phone the same way you use your standard PBX phone.

With OneStream, any business using a traditional PBX system will be capable of taking advantage of the savings that the GSM and VOIP networks offer, without having the internal communication system replaced and without adding extra cards to their PBX. OneStream will manage call routing optimising costs and services, with a superior audio quality.

Reduces fixed to mobile costs of your business OneStream offers immediate savings on telephone costs, taking advantage from the mobile operator special tariffs for mobile calls placed from the fixed telephones of your company.

Maximise your savings using 2 SIMs of different operators, taking advantage of the several special offers available.

Mobility extension: PBX services available on your mobile phone thanks to OneStream's Mobility Extension services, whenever someone rings your office phone, your mobile and desk phone will ring simultaneously and you decide which phone to answer the call on. You can transfer the call back to the office from your mobile. To save on mobile calling, you can call the OneStream from your mobile and get dial tone (DISA) of the PBX trunk lines.

Got a VOIP capable PBX?

If your PBX belongs to the new generation and includes VOIP services, you can take advantage of OneStream GSM lines to your system without buying new trunk cards for your PBX, by simply attaching OneStream to your LAN connection.

Traveling abroad?

If you take a OneStream with you, and when you arrive at your destination, connect the OneStream to an internet connection and take advantage of free calls to and from your office PBX. So when someone calls your office number, the call is routed to your laptop or handset for free. Additionally using a local SIM, calls can be diverted to your GSM mobile at local rates avoiding exorbitant roaming charges, saving you hundreds of dollars.

Need to connect Multiple offices together?

Each sites PBX is connected to a OneStream and each OneStream connects to each other across the internet. If the internet goes down, the OneStream can be set to fail over to GSM.

Secure and easy to configure

OneStream will manage all the routing between the available networks and can be easily configured locally or remotely via web interface. In case of a power failure, the OneStream will automatically provide fixed line service.

Make a SIP server out of your PBX using OneStream

The use of SIP clients (softphone, IP phones and so on) is getting more and more common. But often PBXs do not support such devices. OneStream instead acts both as a SIP Proxy and a Registrar.

Thanks to OneStream you can extend the features of your PBX without changing your telephone infrastructure.

Simple, Flexible and Easy!

Businesses that are wanting to improve efficiency while reducing communication costs need a OneStream!

Technical Specifications

VOIP Interface

6 concurrent calls per unit.
Physical 10/100M Autosensing RJ45 Ethernet Port
Signalling SIP (Session Initiation Protocol) & H.323
Voice Codecs G.729, G.711u, G.711a
Protocols TCP, UDP, SIP, RTP
HTTP, FTP, DHCP

GSM Interface

GSM Module 2 x Siemens MC55 / MC56
GSM 850MHz
GSM 900MHz
GSM 1800MHz
GSM 1900MHz
Transmit Power Class 4 (2W) for EGSM 850MHz
Class 4 (2W) for EGSM 900MHz
Class 1 (1W) for GSM 1800MHz
Class 1 (1W) for GSM 1900MHz

Speech Codecs

Half Rate (HR)
Full Rate (FR)
Enhanced Full Rate (EFR)
Adaptive Multi-Rate (AMR)
GSM Antennae 2 x Gold plated SMA Male Connectors
SIM Card 2 x 3V Small Card

FXO Interface

Physical 6 x Krone connectors for PSTN
Caller ID Bellcore & BT Standard

FXS Interface

Physical 6 x Krone connectors for PBX / POTS
Call Control DTMF
Line voltage 48V on hook
Loop current 18-40mA off hook
Ring Voltage 44-55Vrms
Ring Load REN 4

ISDN Interface

2 or 4 TO ISDN BRIs - RJ45 ports
Q.931 (ISDN Layer 3 Call Control)
I420 /RJ45/ISO8877/FCC68/6)

Physical Specification

Length 302 mm, Width 235 mm, Height 45 mm

Warranty: 1 Year warranty
Extended warranty available

Features Overview

- Intelligent Routing of Voice Calls between any combination of PBX, PSTN, GSM and IP technologies
- Automatic Failover Routing to allow for networks being Busy or unavailable. e.g. If SIP lines down, fall over to GSM.
- Acts as SIP Client, Registrar and Proxy for maximum flexibility
- Locally and Remotely configurable via user-friendly Web Interface
- Secure DISA (Direct Inward Systems Access) allows a secondary dialtone to be provided for access to the OneStream Routing plan
- SIM Lock, Phone Lock and Network Lock are all available for added GSM security
- Connection and Disconnection supervision for both Incoming and Outgoing calls (Line Reversal and K-Break)
- Caller ID Detection and Regeneration
- Echo Cancellation and Volume Controls on all Channels
- Remote Diagnostics and Future-proof Firmware Upgrade Facility
- Bandwidth Management

TelStrom Australia

Phone: +61 2 8282 5804 - Email: info@telstrom.com.au - www.TelStrom.com.au

TelStrom New Zealand

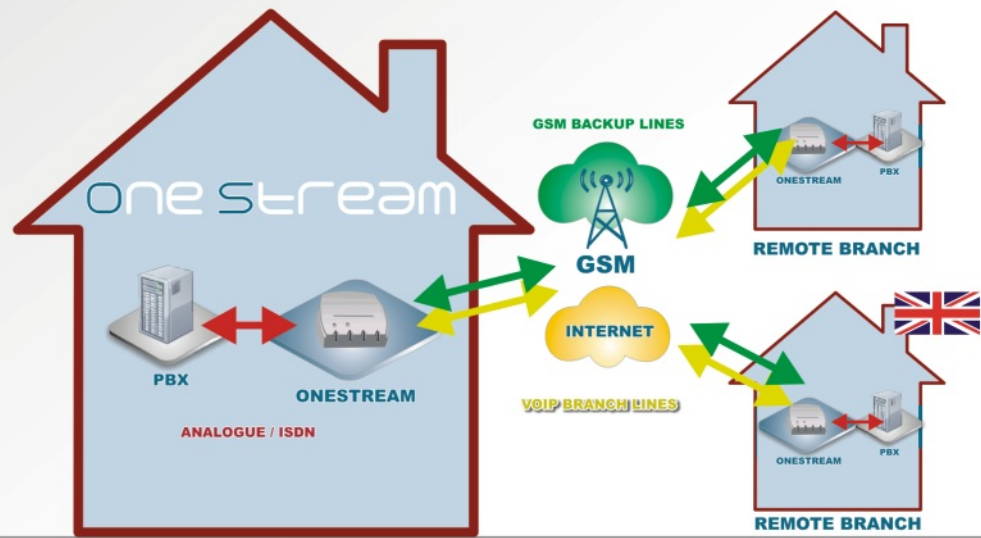
Phone: +64 9 929 4960 - Fax: +64 9 929 4961 - Email: info@telstrom.co.nz - www.TelStrom.co.nz

Sample Case Study

Issue:
Customer has multiple branches and would like free calls between them.

Problem:
The PBXs in each branch are different makes, some not IP.

Solution:
By adding a OneStream to each PBX. All branches are interconnected by VOIP and best of all if the VOIP goes down they have backup GSM lines for redundancy!

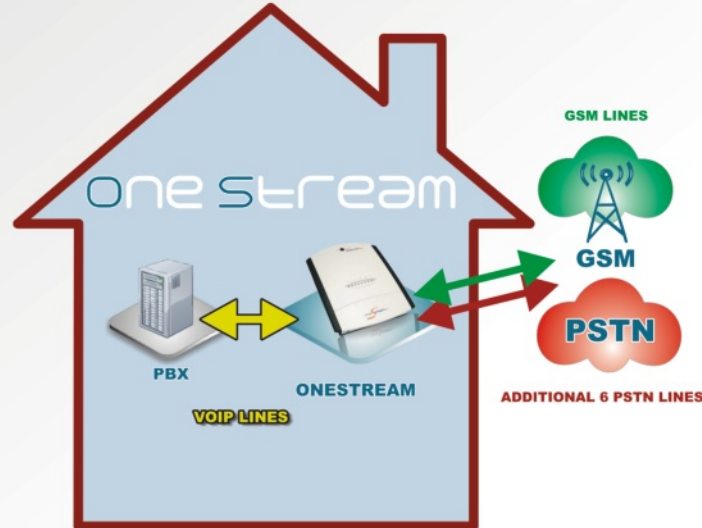


Sample Case Study

Issue:
Customer would like to add additional phone lines, but doesn't want to go with VOIP lines.

Problem:
Customer has an IP PBX with available VOIP trunks but no spare PSTN trunks.

Solution:
By connecting the PBX to the OneStream via IP, the OneStream adds an additional six lines to the PBX and two GSM!!

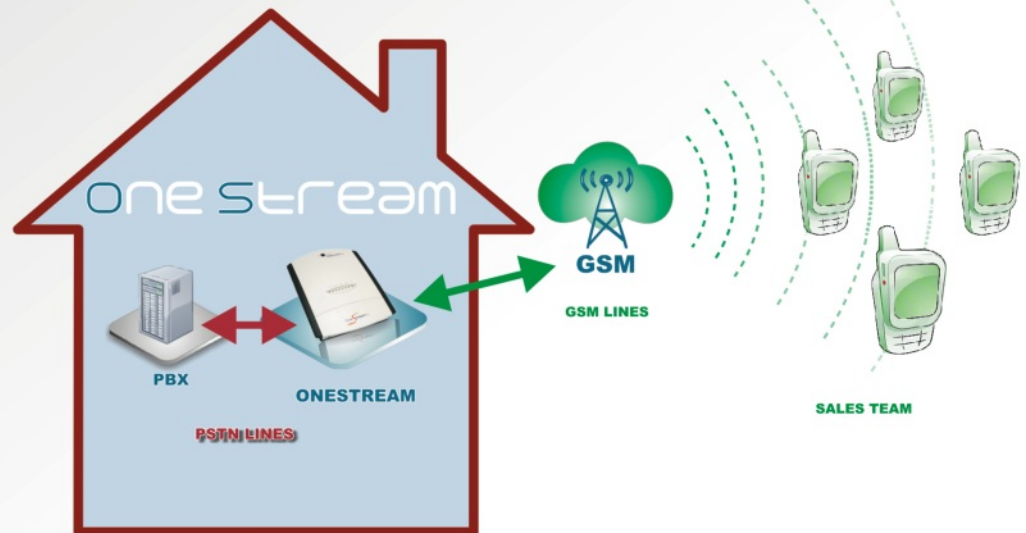


Sample Case Study

Issue:
Customer wants his sales team to be more reachable.

Problem:
Customer has a conventional PBX with limited space to upgrade.

Solution:
By adding a OneStream gateway onto the PBX, it solves the problem and the sales team are now more reachable at a very low cost.

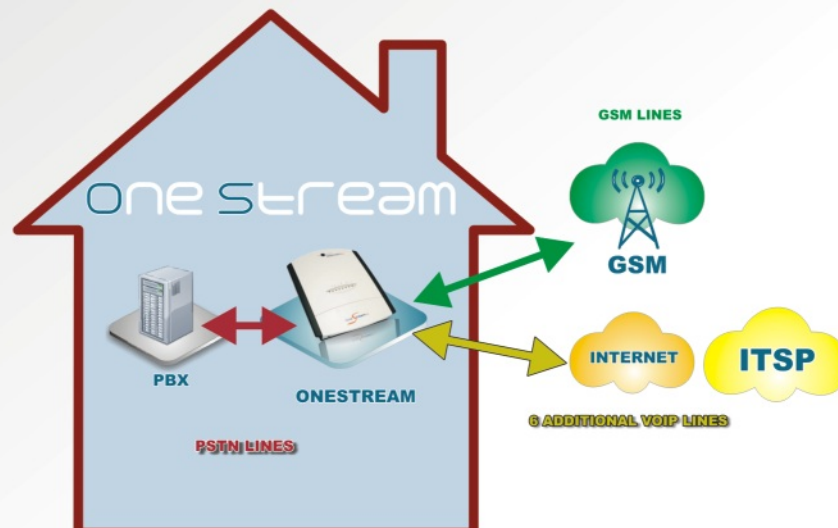


Sample Case Study

Issue:
Customer would like to add VOIP lines to save on costs.

Problem:
The PABX has no support for VOIP.

Solution:
By adding a OneStream in line with the PSTN lines (pass through) the OneStream can add up to six VOIP lines!! No extra ports were required on the PABX!



Tested on:



All logos and trademarks are owned by their respective owners and are not affiliated with, or endorse Telstrom in anyway.

Typical benefits for:

Small and medium businesses with mobility needs, in the office or on the road.

- top management
- sales staff
- technical personnel
- warehouse personnel

Companies who want to save money on mobile to land line calls.
Speed up your return on investment.
Take advantage of PBX services on your mobile.

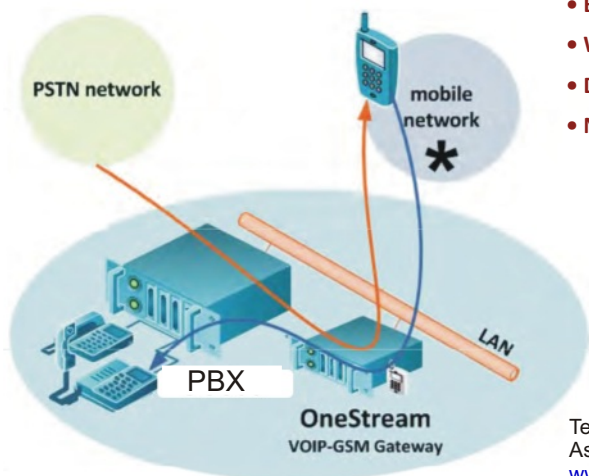
Have your direct dial phone number ring both your desk phone and mobile simultaneously.

You can manage your calls as if you are in the office.

If you miss a call, you receive an SMS message with the missed phone number.

Your mobile phone acts as an extension of your PBX system.

- Hold/Retrieve
- Blind/Attended transfer
- Works with all GSM mobile phones
- Doesn't require a Smart Phone
- No additional software to be installed



What's required?

- Legacy or IP PBX
- OneStream G with 2 x GSM - can link to multiple units up to 12 x GSM
- Free per minute mobile calling plan.
- VOIP Account
- For VOIP calling we recommend either: 1.) either a dedicated ADSL full speed up/down connection just for voice traffic or 2.) A QOS enabled VOIP router e.g. Draytec 2800 model when sharing your ADSL connection for data and voice.

Feel free to call us and discuss your solution.

Broadband requirements:

The following table shows how many concurrent calls can be made over different DSL lines. G729 is similar to GSM call quality and G711 is similar to ISDN call quality.

Broadband Plan		Concurrent Calls	
Speed Down	Up	G729	G711
256k	128k	1	1
256k	256k	6	3
Full speed 5M	756k	16	8

TelStrom is the exclusive distributor for the Asia pacific region for Telecom FM products
www.telecomfm.co.uk