



## Deltapath® Connector™

Designed to help you communicate simply and effectively by breaking down the silos between communication modalities.

Organizations are experiencing fragmentation between dispersed teams. Some try to make themselves whole again by investing in and deploying various collaboration devices only to discover the devices do not integrate with each other. Similarly, they find their devices do not interoperate with their customer or partner devices, impacting productivity.

Deltapath Connector solves your issues. It is an on-premise central controller that integrates the ecosystem of devices to work together seamlessly and collectively.

### Better Access. Better results. Total Interoperability with Deltapath Connector

Deltapath recognizes that workplace collaboration is vital to an organization's success. That's why Deltapath Connector delivers a complete communications solution that prepares organizations for the workplace of the future – always connected.



## Integration

Most organizations already have several ways to communicate with their customers, suppliers, and each other. Deltapath Connector delivers the infrastructure and capability to enable these different communication modalities to work together seamlessly. Total interoperability means extending usability and maximizing your investments. With Deltapath Connector, you can bridge to service providers like Zoom, BlueJeans, Lifesize, Webex, and many other video services.

## Audio-Conferencing Bridge with Dolby Voice

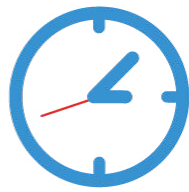
With the popularity of audio conference calls, it is easy to find many conference call providers willing to provide conference call service. Unfortunately, their service comes at exuberant costs and lacks support for High Definition (HD) audio. Deltapath Connector comes with an embedded audio conference bridge, which can save your organization thousands of dollars in audio conferencing bills. Beside audio conferencing being free, enjoy the best-in-class audio quality and background noise suppression with Dolby Voice. Lastly, host up to 32 participants in the same conference.

## The Average Business Spends Too Much Money on Audio Conferencing Services



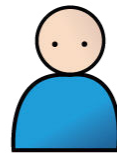
Average Market Price

per



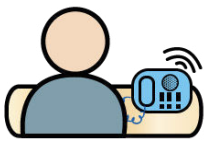
Minute

per



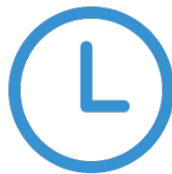
Participant

## For an Average Conference Call



One Call

per



One Hour

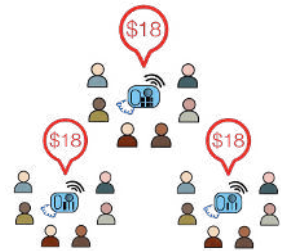
per



Six Participants

## The Costs Can Really Add Up!

Three Calls per day



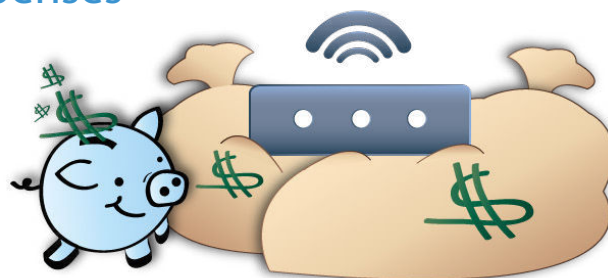
260 Business Days



\$14,000 USD a Year!

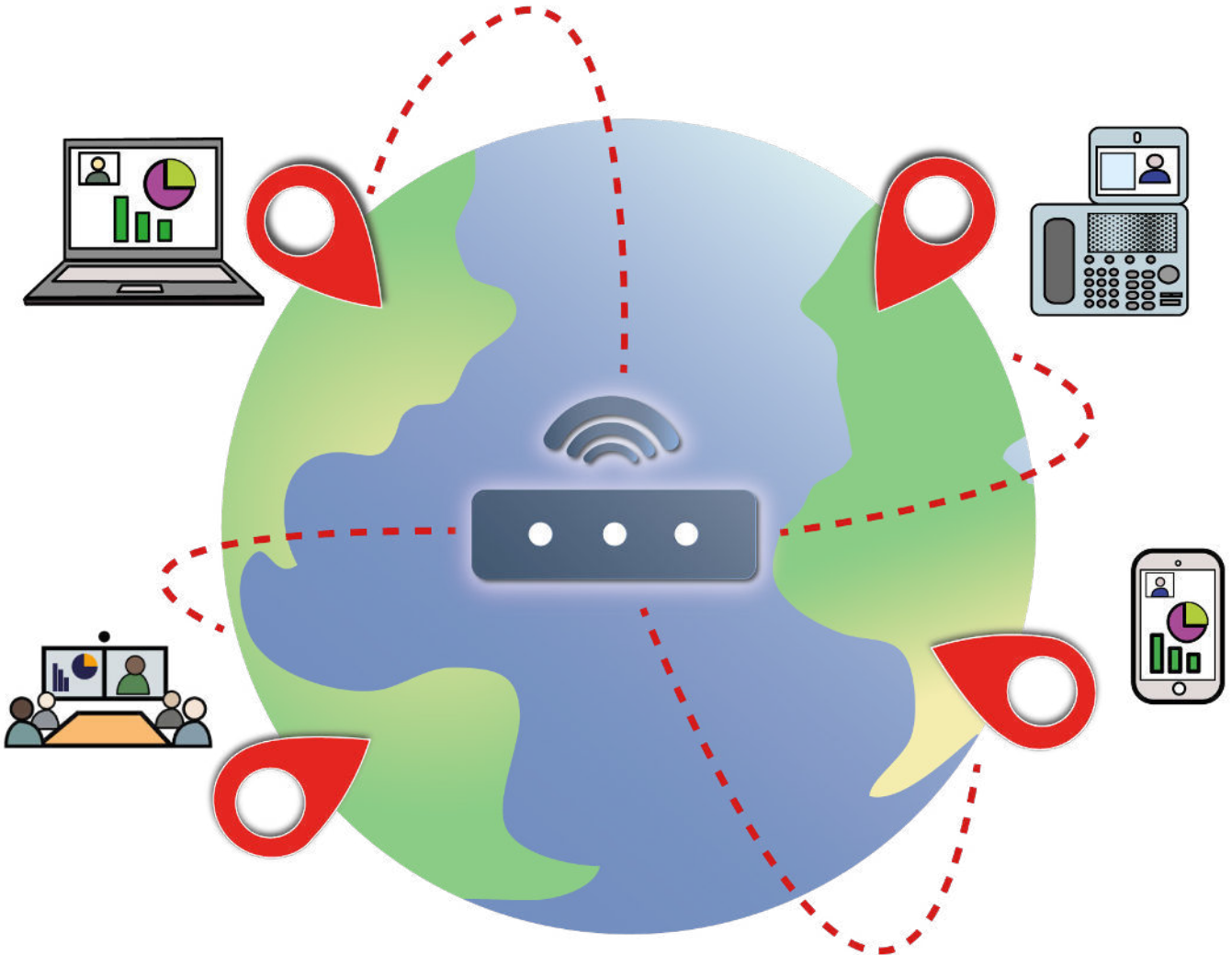


## Eliminate your Ongoing Expenses with Deltapath Connector



## One Unified Organization

Do not just communicate; collaborate. Through video collaboration, organizations can drive up productivity, make decisions faster, revise content with teams and customers on-demand and in real-time, and quickly build long lasting relationships.



### Mobile Collaboration

Arm mobile staff with Polycom® RealPresence® Desktop and Polycom® RealPresence® Mobile. They can enjoy mobile video collaboration with their teams and customers anywhere and at any time.

### Navigate the Room

Remote video conferencing participants will never again have to interrupt a meeting because they can't see the speaker or the information being written on the whiteboard. With Far End Camera Control (FECC), remote participants can pan, tilt, and zoom the camera for a more engaging and effective meeting experience.

### Plug and Play

Connecting teams is the catalyst that triggers teamwork. Deltapath Connector ensures all teams such as home offices and remote branches get connected and engaged. Just plug and play. There is no need for IT support.

### Collaboration at its Finest Point

Imagine speaking to a manufacturer in Japan and showing the prototype you want to create in high definition. Now imagine making changes to the content you are sharing as you consult with the manufacturer.

Share content across your teams, customers, and suppliers on-demand in real-time. Host a whiteboard session and annotate with your fingers right from your tablet.

## Your Investment is Future Proof. Your Past Investments are not Overlooked.

Deltapath Connector is an all-in-one device that allows you to scale into the future. It includes a Firewall, Session Border Controller (SBC), Audio Conference Bridge, SIP Proxy, Call Routing Engine, and an Endpoint-Provisioning Server.

Our solution comes bundled with an H.323 Gatekeeper for backward compatibility with legacy H.323 only video endpoints. H.323 Gatekeeper ensures you maximize your return on legacy investments.

If you used the Polycom Video Border Proxy (VBP) that is now end-of-life (EOL), Deltapath Connector is also your replacement. Continue to enjoy video collaboration within your company and with your customers and partners.

### Cut Complexity

Deltapath not only realizes that change is inevitable in the workplace, but it also realizes how difficult it is for employees to embrace change. This is why Deltapath Connector eliminates everything that is complex and replaces it with everything simple.



#### Dial by Extension or Room Number

Deltapath Connector eliminates the need for Polycom video conference users to dial by IP address and other complicated dial strings. Polycom endpoints can register to the Deltapath Connector as an extension number. Video calling is as simple as using a phone.

#### No Reservation Conference Room

Audio conferencing is a crucial component of any organization's success. Yet, audio conferences can discourage or prevent last minute, critical conversations from taking place simply because of the numerous steps involved in setting up a meeting. With Deltapath Connector, all users have their very own private conference room, which eliminates the need to reserve a conference room in advance.

#### Connect Your Polycom Infrastructure to the Telephone Network

Have you ever wanted a crucial somebody to get involved in a video conference call and all they had access to was a regular telephone? Or perhaps, you wished you could call someone on your corporate telephone system right from your video device. Deltapath Connector eliminates limitations and obstacles so you can connect your entire Polycom video network with your voice network to experience seamless unified access between the two.





## Security

Security is never an afterthought for Deltapath. We realize that sensitive and confidential information is being shared all the time in meetings. We make it harder for eavesdroppers and hackers to infiltrate your meetings and your organization's sensitive data with advanced security features.

### One-Time Guest Access

Most organizations take an open access approach to their conferencing systems where anyone with the dial-in details can call in and access a meeting in progress. This approach opens companies to many vulnerabilities. Attackers can eavesdrop on confidential meetings or read documents on conference room tables. Deltapath Connector lets you create one-time meeting access codes for external parties to use from a regular telephone or a SIP URL from any SIP based video endpoint. The system validates the code before granting access to a caller. Once outside of the scheduled meeting time, the code is no longer valid.

### Secure Provisioning

All organizations want their data protected from unauthorized third parties. Deltapath Connector offers you robust protection through encryption and supports encryption on all supported Polycom endpoints' provisioning data. Devices in the field can download provisioning data in encrypted format over WAN.

### Safeguard Against Threats on the Public Internet

In a world of persistent threats from hackers and spies, all organizations must protect themselves. Deltapath knows the most common pathway through which malware attacks the system is the internet and the web. To address concerns about enabling a WAN access point on your video network, Deltapath Connector offers a built-in firewall that automatically filters malicious packets. Similarly, the built-in SIP Application firewall inspects and monitors all SIP dialogue exchanges between the public Internet and the Deltapath Connector. The application firewall quickly filters attacks such as brute force attempts, number guessing, or application layer denial-of-service attacks.



# Datasheet

## FEATURES

### Dolby Voice

- » Studio sound audio quality
- » Full room pickup across rooms up to 15 feet (hardware dependent)
- » Spatial audio projects each speaker's voice from a distinct location
  - Voices are separated
  - Voices never interlace
- » Low bandwidth consumption compared to other industry leading HD codecs
  - Average bandwidth consumption: upload 12.46 kbps / Download 47.71 kbps
  - Peak bandwidth consumption: upload 49.36 kbps / Download 128.03 kbps

### Voice and Acoustics

- » Adjusts to accommodate voice and acoustic variations -- soft and distant voices

### Intelligent Voice Suppression Algorithms are designed for the following types of noises:

- » Stationary/constant noise
- » Non-stationary noise sources
- » Impulsive/time-varying noise sources
- » Non-speech noise
- » Speech-like noise suppression

### Intelligent Voice Suppression is comprised of the following:

- » Noise Estimation
  - Estimates the noise in the room in the presence of talkers
- » Noise Suppression
  - Calculates suppression gains while minimizing the impact on speech
- » Nuisance Rejection
  - Rejects no-speech distracting noises
- » Suppression Gain Smoothing
  - Smooths the suppression gains to minimize artefacts
- » Voice Activity Detection
  - Acts as a gate to determine whether to transmit the microphone signal

### All-In-One Architecture

- » Simplifies IT infrastructure
- » Delivers superior user quality of experience and lower operating expenses
- » Includes a Firewall, Session Border controller (SBC), Audio conference bridge, SIP Proxy, Call Routing Engine, and an Endpoint Provisioning Server

### Virtual Meeting for Video and Voice

- » Conference scheduling tool
- » Access audio conference bridge, RMX, HDX Series, Group Series, RealPresence Trio, and VVX
- » Access to meetings through PSTN or IP
- » Support for
  - One-on-one conversations
  - Public Conference Rooms
  - Polycom RMX virtual meeting rooms
  - Personal private audio conference room
  - Skype for Business Gateway virtual conference rooms
  - Dynamically create audio conference room for onetime use
- » Built in customizable email invitation templates
- » ICS format calendar invitation by e-mail
- » Business to Business users SIP URL dial-in

### API

- » Integration possibilities with Deltapath Connector
- » Virtual Meetings
  - Add virtual meeting
  - Update virtual meeting information
  - Cancel virtual meeting
  - Access virtual meeting details
- » Audio Conference Room
  - Create a new conference
  - Update conference information
  - Retrieve participant list for conference
  - Cancel a conference
  - Invite conference participants
  - Lock and unlock a conference room
  - Mute and unmute conference participant
  - Remove conference participant from conference

### Audio Conferencing

- » Embedded audio conferencing bridge
- » High definition acoustic performance and clarity
- » Wideband and narrowband codec mixing
- » Configurable participant limits for each conference room
- » Maximum Concurrent Participants: 32
- » Audio alert and name announcement when entering and leaving a conference
- » Individual volume control and mute button for each participant
- » Administrative control for the conference host/leader
- » Access mode:
  - Dedicated direct dial-in number to private conference room follow by conference PIN
  - Public conference bridge access number followed by conference room details and conference PIN
- » Global Conference Bridge
  - Interconnect with all peering Deltapath Connector for global conference bridge
- » User Portal
  - Invite single or group participants
  - Mute/Unmute participant
  - Disconnect participant
  - Locked conference
  - Participant Join Options:
    - Listen only
    - Talk only
    - Listen + Talk
    - Automatically mute when you join
    - Join as conference hosts
  - One Click Group Invite

## Collaboration Capabilities

Collaboration	Video Endpoints				
	RealPresence Desktop	RealPresence Mobile (Phone)	RealPresence Mobile (Tablet)	RealPresence Group	HDX
Whiteboard/ Blackboard			✓	✓ ✓	✓ ✓
Annotate Shared Content			✓	✓ ✓	✓ ✓
Share Content in Multiple Formats	✓		✓	✓	✓
Collaborative browsing	✓		✓	✓	✓
Dual View of People and Content	✓	✓◇	✓	✓	✓
Far End Camera Control	✓		✓	✓	✓

✓ ✓ Polycom VisualBoard or UC Board required

✓◇ Toggle between views

## Call Recording

- » Record audio conference calls
  - Playback the details of a recorded meeting
  - Eliminate meeting minutes
  - Add Notes
- \*Purchase of recording module required

## Call Management

- » Per User Call Admission Control
- » Configurable outbound caller ID:
  - Dynamically resolve based on user
  - Dynamically resolve based on SIP trunk
  - Hidden
  - Custom
  - Default
  - Relay original on forward
- » Multiple extensions sharing on one phone
- » Multiple phones sharing one extension
- » Mobile/land line pairing
- » Dial-by-name directory service

## PSTN & Third Party PBX Integration

- » Built-in SBC for Telco SIP Trunk
- » Deployment options:
  - Interface with Third party SIP based PBX via SIP Trunk
  - Interface with Telco using PRI, BRI, or CO\*
  - Interface with legacy PBX and Telephone Company\*
- \*Purchase of additional gateways required
- » Support multiple direct-inward-dial number ranges
- » Caller ID Manipulation
- » Preferred ISDN Port routing by Destination

## SIP Registrar and Proxy

- » Dial by extension and room number
- » Support multi-step dial plan routing
- » SIP business to business calling
- » Dual Stream People + Content (BFCP) RFC 4582 & RFC 4583
- » Far End Camera Control RFC4573

## Codecs

- » Auto Codec Negotiation Supporting
  - G722.1C (Polycom® Siren™ 14)
  - G722.1 (Polycom® Siren™ 7)
  - G722
  - G711A
  - G711U
  - G729A (Pass thru)
  - iLBC
  - H.264
  - H.264-HP
  - H.264-BP

## System Administration

- » Browser-based interface for configuration and management
  - System level management
  - User management
  - Multi-tenancy administrator management
- » Multiple network deployment options
- » Batch import and export tools utilizing Microsoft Excel
- » CLI console and SSH access for network assignment
- » IPV4
- » IPV6 Ready
- » DHCP
- » Static routes
- » Virtual IP (WAN Port Forwarded)
- » Default route
- » QoS priority
- » SSH
- » Serial craft RJ-45
- » 6 x GB RJ45 LAN Ports

### H.323 Gatekeeper

- » H.323 gatekeeper for backward compatibility with legacy H.323 only video endpoints
  - Devices on the internet can dial into your network using H.323
- » H.323 business to business calling
- » H.239 content sharing
- » H.224 for FECC supported

### Multiple Language Support

- » User Portal
- » Switchboard Portal
- » System Voice Prompts
- » Language support:
  - English
  - Japanese
  - Cantonese
  - Mandarin

### Supported Endpoints and Servers

- » Polycom RealPresence Group Series
- » Polycom HDX Series
- » Polycom VVX Business Media Phones
- » Polycom SoundPoint IP and SoundStation IP Phones
- » Polycom RealPresence Collaboration Server (RMX)
- » Polycom RealPresence Desktop (RPD)
- » Polycom RealPresence Mobile (RPM)
- » Polycom RealPresence Distributed Media Application (DMA)

### Security and Encryption

- » SSL certificate management
- » HTTPS / HTTP support for management and user interfaces
- » Conceal Polycom endpoints by generating disposable meeting access code per participant
  - Participants access rights expire ensuring no one has open access to video endpoints
- » Support Polycom secure provisioning for endpoints
- » Polycom Device Provisioning:
  - Deployment Mode
  - Production Mode
- » Firewall security control and protection
  - Automatic protection against brute force attacks and malformed packets
  - DOS attack automatic rate control
  - Malicious packet filtering
  - VOIP Session aware firewall
  - Automatic blacklist by source IP
  - Email alert on new blacklist entries

### Reliability and Availability

- » Supports clustering of two units
- » Increase availability of applications and services and disaster recovery
- » Supports the sharing of an IP address for seamless failover

### Suite of Diagnostic Tools and Realtime Monitoring

- » ISDN Q.931 signaling messages
- » PRI and BRI port status and statistics
- » Ethernet port status and statistics
- » Ping
- » Check DNS
- » Trace routing
- » Wireshark capture
- » IP packet trace
- » Global and user specific real-time call activity trace
- » Diagnose mail issues in real-time
- » Observe mail pending in queue
- » Real-time Polycom phone provisioning debug
- » SIP trunk availability and latency monitoring alert by email
- » Alarm history
- » Alarm notification by e-mail
- » LED indicators for critical alarms





### Detailed Reports

- » Call Details Record (CDR) Report and List
  - Captures all incoming and outgoing calls for the entire system
  - Generate a call report for a user, group, SIP trunk, gateway, or everyone
  - Summarize by date, time, user, SIP trunk, or gateway
- » Conference Report and Activity Logs
  - Visualize savings
  - Capture conference call details and activity
  - Generate report for a specific conference room or all conference rooms
  - Summarize by date, time, and conference room
- » System Report
  - Summary of assigned and available phone numbers
  - Identify users and equipment type





# SPECIFICATIONS

Specifications	Deltapath Models			
	 Golden Gate Edition	 Tower Edition	 Brooklyn Edition	 Great Belt Edition
Physical	<ul style="list-style-type: none"> <li>• 19' Rack Mountable</li> <li>• 1U High</li> <li>• 443 (W) x 406.8 (D) x 44 (H) mm</li> </ul>	<ul style="list-style-type: none"> <li>• 19' Rack Mountable</li> <li>• 1U High</li> <li>• 443 (W) x 406.8 (D) x 44 (H) mm</li> </ul>	<ul style="list-style-type: none"> <li>• 19' Rack Mountable</li> <li>• 1U High</li> <li>• 443 (W) x 406.8 (D) x 44 (H) mm</li> </ul>	<ul style="list-style-type: none"> <li>• 19' Rack Mountable</li> <li>• 1U High</li> <li>• 434 (W) x 606.5(D) x 42.8 (H) mm</li> </ul>
Power Supply	Nonredundant	Redundant 1 + 1 Hot Swappable Power Supply Modules	Redundant 1 + 1 Hot Swappable Power Supply Modules	Redundant 1 + 1 Hot Swappable Power Supply Modules
Power Consumption	AC-Input Rating: 100V-240V Input Current: 2.5A-1.5A Output Power: 150 W (MAX)	AC-Input Rating: 100V-240V Input Current: 5A-2.5A Output Power: 300W (MAX)	AC-Input Rating: 100V-240V Input Current: 5A-2.5A Output Power: 300W (MAX)	AC-Input Rating: 100V-240V Input Current: 7.4A-3.7A Output Power: 550W (MAX)
Data Storage	<ul style="list-style-type: none"> <li>• Internal Solid State Drive</li> <li>• 1500 Hrs. of voice data</li> <li>• 300 Hrs. of video data</li> </ul>	<ul style="list-style-type: none"> <li>• Customer Accessible Solid State Drive with Raid 1</li> <li>• 20,000 Hrs. of voice data</li> <li>• 4,000 Hrs. video data</li> </ul>	<ul style="list-style-type: none"> <li>• Customer Accessible Solid State Drive with Raid 1</li> <li>• 30,000 Hrs. of voice data</li> <li>• 6,000 Hrs. of video data</li> </ul>	<ul style="list-style-type: none"> <li>• 7.2 K RPM NLSAS Hard Drive with RAID 1</li> <li>• 60,000 Hrs. of voice data</li> <li>• 400 Hrs. of 1080P video data</li> </ul>
Cooling System	• 3 Autosensing Fans	• 4 Autosensing Fans	• 4 Autosensing Fans	• 5 Autosensing Fans
Status and Alerts	8 Status LEDs	14 Status LEDs + 1 Audio Alert	14 Status LEDs + 1 Audio Alert	1 Status LED + 1 Audio Alert
Mean time Between Critical Failures	109,500 hrs.	142,900 hrs.	142,900 hrs.	142,900 hrs.
Number of Stations	Up to 200 Devices	Up to 1,500 Devices	Up to 6,000 Devices	Up to 10,000 devices
Number of Mailboxes	256	3000	8000	10,000
Number of Conference Rooms	256	3000	8000	10,000
Number of IVR Menu	256	3000	8000	10,000
Total Number of Concurrent Calls	32	256	512	1000
Busy Hour Call Completion	6000	100,000	200,000	200,000
Ethernet Interface	6 x RJ45 Connectors supporting 10/100/1000 Half/Full Duplex	6 x RJ45 Connectors supporting 10/100/1000 Half/Full Duplex	6 x RJ45 Connectors supporting 10/100/1000 Half/Full Duplex	2 x RJ45 Connectors supporting 10/100/1000 Half/Full Duplex + 2 x RJ45 Connectors supporting 1000/10000 Half/Full Duplex

## About Deltapath

Deltapath liberates organizations from the barriers that prevent effective communication and revolutionizes the way organizations communicate through innovative technologies that meet the needs and the wants of organizations.

We specialize in solutions that unite different communication platforms, audio and video equipment, telephones, desktops, and mobile devices to make communication accessible and intuitive.

It is our belief that every solution should embody simplicity and offer users the right form of communication for the right occasion, right at their fingertips.

## Ordering Information

For more information about Deltapath Connector, please contact your nearest Deltapath sales representative.



USA	+ 1 408 707 3299
NZ	+ 64 9 886 9799
HK	+ 852 3678 9999
JP	+ 81 3 3527 7899
TW	+ 886 2 7728 3099
PH	+ 63 2 8790 0295

[www.deltapath.com](http://www.deltapath.com)