Gamma

Private APN for Internet Service Providers:

Take control and manage your customers' mobile data with Gamma

Control and manage mobile data

Mobile devices are handling an increasing amount of critical business data; however, the big mobile network operators do not normally differentiate between business and consumer traffic. This can leave businesses exposed when their data is traversing the public internet, rather than via a secure private network like their fixed line data.

What is a Private APN?

A Private Access Point Name that routes traffic from a mobile device directly to your network without touching the public internet, creating a secure and private end to end route for the data.

Benefits of a Private APN

Data control and security

By routing traffic via your own infrastructure, it allows you to apply IT and security policies, consistent with data and fixed line access.

Two-way communication

A Private APN means that you can have fixed IP addressing for your mobile end points.

Stability of connectivity

Fixed IP addresses usually means that a small interruption in connectivity does not terminate packet exchange. This results in faster file transfer.

Branding

Both physical SIM cards and the APN that appears on the mobile device can be customised with your company name, enabling brand consistency and ownership.

Increase speed to revenue

By giving your customers lead times of days rather than months, you can deliver connectivity faster and profit sooner.

Enhance your product portfolio

Upsell and cross sell to your existing base with services such as 4G backup and fast start Ethernet.

Applications for deploying a Private APN

Fixed data back-up

Used alongside a fixed line solution, a SIM capable router can provide a back-up connection using mobile data. Private APN enhances this by routing traffic back into the core network, rather that the public internet, so the site's IP address, security policies and routing configuration can be retained automatically.

Rapid deployment

Where service delivery needs to be expedited, Private APN SIMs can be enabled almost instantly and live on site as fast as you can can ship them. Allowing you to control your own SLA for response time to deliver bespoke and exceptional customer service in crucial moments while still retaining a consistent and secure service.

Secure end-to-end data transfer

As a Private APN transfers the data to the location that the customer requires (usually a company LAN), before breaking out to the internet, your customers can ensure that the data transfer is secure and normal company browsing policies can be applied to both mobile and fixed data end points in a consistent way. This is further enhanced by deploying an MDM solution, which secures the data and the device as well. With the new GDPR regulation in force, this is a good way to help your customers secure their mobile data.

IoT

IoT solutions where device security and traffic reliability are crucial benefit from Private APN as it avoids traffic traversing the public internet. The Gamma Mobile service is delivered on a business-only network, providing a more consistent service without fluctuating consumer traffic.

Deployment options

Gamma's Private APN has two deployment options:

Wholesale Private APN

Gamma builds the Layer 2 Tunnelling Protocol (L2TP) connection between the Gamma Mobile core and your network, giving you total control over the allocation and maintenance of the IP addresses. The wholesale Private APN allows you to manage and control data for multiple companies through a single connection. Once the data is routed to your platform, you are then able to break out to the desired destination.

Corporate Private APN

Provides secure remote access from a mobile device to a company's LAN via a fixed direct connection between the mobile network and the company. It enables secure remote access to corporate services such as databases, emails, documents and backup for fixed connectivity and any other business applications. Gamma's network infrastructure will handle the IP addressing, static or dynamic, for the end points.

Getting set up

To find out more about implementing Private APN, contact your Gamma Account Manager or the Cloud and Infrastructure team at C&I@gamma.co.uk.