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BULLETIN

Accelerated 6300 Series Router
Deployment Considerations

6300-CX LTE Router
(Included Embedded Module)

6300-LX USB Router
(Supports USB Air Cards)

ACCELERATED PROVIDES TWO VERSIONS OF THE ACCELERATED 6300 SERIES ROUTER

Upfront Cost: The LX offers a lower upfront cost vs. the CX because it lacks the cost of an embedded module, antennas, etc. The cost of the USB Air Card needs to be factored in but that cost can be offset with certain termed rate plans from your wireless carrier.

Deploying and maintaining a homogeneous network: USB Air Cards are typically targeted for consumers and individual end-users. Carriers discontinue and introduce new Air Cards regularly since they are not concerned about businesses deploying a homogeneous network. This will likely result in a network with multiple radio types based on carrier and time of deployment. Additionally there may be some feature limitations between the various models of air cards e.g. inability to provide a routable passthrough IP address.

Antenna Performance: The embedded CX offers two high performance external antennas that cannot be matched by the small antenna needed to fit into a USB Air Card form factor.   The CX typically maintains a stronger (and cleaner) wireless signal vs. the USB Air Card antenna.

Easy Installation: The CX is easier to setup – just plug in a SIM without worrying about an Air Card.

Multi-Carrier support: In order to support multiple carriers the LX requires the acquisition of a specific air card for each carrier (this can lead to multiple truck rolls per site if the preferred carrier does not offer coverage). The CX offers multi-carrier support by simply swapping out SIM cards with two models:

1. Support for all 4G networks (LTE) for North America including 3G fallback (slightly higher cost)
2. Support for all 4G networks without EV-DO (3G) fallback for Verizon/Sprint (HSPA+ is supported)

Total Cost of Ownership: The CX provides the ability to update the wireless module firmware over-the-air where USB solutions do not. This can provide a more reliable wireless connection and reduce the number of truck rolls. Additionally the CX uses an embedded module that offers a much longer mean time to fail rate vs. typical USB Air Cards.