Regarding GPS Alternatives in Panasonic Mobile Computers

To Our Valued Customers,

Panasonic offers a variety of solutions for our customers to collect and use Global Positioning System (GPS/GNSS) data in their Toughbook and Toughpad mobile computers. These integrated options are built into our devices and can be used for location based services, navigation, or asset identification.

Panasonic provides the following information to help customers choose and purchase mobile computers with GPS* capabilities:

Satellite based dedicated GPS (Ublox module)
> WAAS Correction (for higher location reliability)
> 26 sec. time to initial fix
> No radio required (good for Federal customers who cannot have built-in radios)
> Supports pass though of antenna signal to external (roof mount) antennas
> Accuracy- roughly 15 ft.
> Costs around $350
> Models supported- Toughbook 31, 19, 53, H2, Toughpad M1, G1, B1
> Listed as GPS integrated option on spec and price sheets

Satellite based LTE GPS (Qualcomm chipset)
> Built into current Gobi and Multi-carrier LTE chipsets
> 32 sec. time to initial fix
> Doesn't require radio to be provisioned (Flexibility for enabling mobile broadband later)
> Accuracy- roughly 15 ft.
> Costs around $270
> Models supported- Toughbook 31, 19, 53, C2, H2, Toughpad M1, G1, B1, B2
> Listed as 4G LTE or Gobi 3G integrated option on spec and price sheets

The primary difference in the two alternatives for most users is the ability to use an external antenna with dedicated GPS and the improved location reliability provided by WAAS support. Of course, the presence of a 4G LTE radio is a significant consideration also.

If you have further questions on this, please refer them to your local Panasonic Technical Field Manager.

Thank you.
Panasonic Systems Communication Company North America
December, 2014

*Assisted GPS (A-GPS) is not currently supported but merely refers to using a network to speed up first time to fix and should not be confused with cell tower triangulation