

REPORT: Status of the LTE Ecosystem

October 28, 2011

This updated report researched and published by GSA (Global mobile Suppliers Association) – which lists 197 LTE devices launched in the market up to the present day, confirms how a robust user device ecosystem is rapidly establishing to support LTE as the fastest developing mobile communications system technology ever

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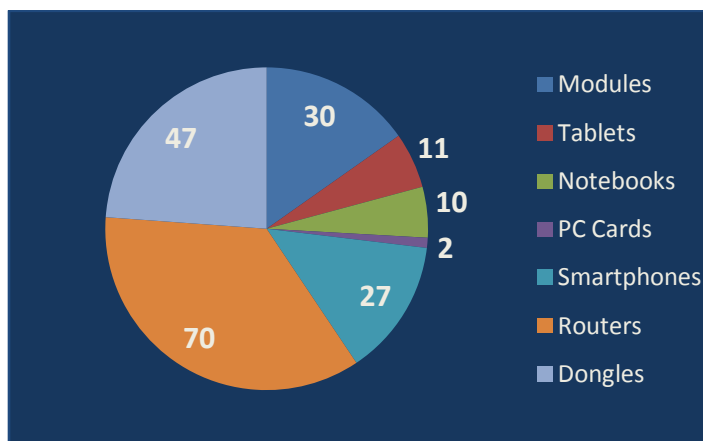
197 LTE User Devices Launched by 48 Manufacturers

GSA surveys mobile broadband market developments, and publishes a regularly updated report which is called "Evolution to LTE" detailing operator commitments to LTE, network deployments, launches, trials, regulatory and market developments worldwide. In the latest report (October 12, 2011) GSA confirmed that 248 operators are investing in LTE, made up of 185 LTE network commitments and 63 additional pre-commitment trials on-going. 35 commercial LTE systems are launched and at least 103 networks are expected to be in commercial service by end 2012.

The eco-system of LTE-capable user devices is rapidly developing to meet current and anticipated future needs of operators and their customers. Several LTE user devices are in commercial use or announced and many more are in the pipeline. This report examines the LTE user devices ecosystem.

GSA confirms 197 LTE User Device product announcements by 48 manufacturers, including frequency and operator-specific variants.

The number of LTE devices (197) announced today (October 28, 2011) is more than 3x higher the figure reported by GSA in its first "Status of the LTE Ecosystem" report published on February 9, 2011, and confirms the rapidly expanding choice and availability of LTE user devices to support accelerating network deployments around the world. LTE user devices address all market segments:



The number of LTE-capable smartphones more than tripled over the last 3 months.

Detailed analysis of each of the 197 LTE devices is supported in the new **GAMBoD - LTE tool** (www.gsacom.com/gambod). Access is restricted to logged-in registered site users from GSA member companies and network operators who supplied their corporate email address as their User ID.

Operating frequencies

LTE networks are deployed globally in various frequency bands. GSA's analysis of which each of the main LTE bands is supported by user devices, based on confirmed information, is as follows:

| LTE FDD | |
|-------------------|-------------|
| 700 MHz | 106 devices |
| 800 MHz | 42 devices |
| 1800 MHz | 41 devices |
| 2600 MHz | 52 devices |
| 800/1800/2600 MHz | 36 devices |
| AWS | 35 devices |

| LTE TDD | |
|----------|------------|
| 2300 MHz | 18 devices |
| 2600 MHz | 17 devices |

Interworking/fallback

- 118 LTE devices support operation on either HSPA, HSPA+ or DC-HSPA+ networks
- 67 LTE devices support operation on EV-DO networks

Note: for some products manufacturers have not yet declared operating frequencies or fallback modes which are supported

GSA (Global mobile Suppliers Association) represents GSM/EDGE/WCDMA-HSPA/HSPA+ and LTE suppliers, providing authoritative reports, facts, analysis and information explaining market developments and trends.

GSA brings together a global industry community of telecoms professionals through practical activities and forums. The GSA website www.gsacom.com has almost 44,000 registered users for dialog and knowledge gathering, and information sharing of key facts, trends and analysis.

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NOTES:

1. Errors & Omissions Excepted
2. User devices are not available in all markets
3. Broad announcements relating e.g. to future product collaborations or launches are not included

Send updates please to info@gsacom.com