

4G MARKET and TECHNOLOGY UPDATE

LTE TDD (TD-LTE) global status

71 LTE TDD (TD-LTE) systems are commercially launched in 43 countries. 21 operators deployed converged FDD & TDD networks.

Country	Operator	TDD band
Angola	Net One	Band 41
Argentina	DirecTV	Band 43
Australia	NBN Co.	Band 40
Australia	Optus FDD & TDD	Band 40
Bahrain	Menatelecom	Band 42
Belgium	b•lite	Band 42
Brazil	On Telecomunicacoes	Band 38
Brazil	Sky Brazil Services	Band 38
Cameroon	MTN	Band 41
Canada	ABC Communications	Band 42
Canada	Bell Mobility FDD & TDD	Band 42
Canada	CCI Wireless	Band 42
Canada	Sasktel FDD & TDD	Band 41
Canada	Telus FDD & TDD	40, 42
Canada	Xplornet	Band 42
China	China Mobile	39/40/41
China	China Telecom	Band 40, 41
China	China Unicom	Band 40, 41
Colombia	DirecTV	Band 38
Côte d'Ivoire	YooMee	Band 40
Dominican R.	WIND Telecom	Band 38
Finland	Ukko Mobile FDD & TDD	Band 38
Gambia	Netpage	Band 40
Ghana	BLU	Band 38
Ghana	NITA	Band 41
Hong Kong	CMHK FDD & TDD	Band 40
India	Aircel	Band 40
India	Bharti Airtel	Band 40
Indonesia	PT Internux	Band 40
Indonesia	Smartfren FDD & TDD	Band 40
Italy	GO Internet	Band 42
Italy	Linkem	Band 42
Japan	Softbank FDD & TDD	Band 41
Japan	UQ Communications	Band 41
Lithuania	Mezon/Telecentras	Band 40
Madagascar	Blueline	Band 41
Netherlands	T Mobile NL FDD & TDD	Band 38
Nigeria	Cyberspace	Band 42
Nigeria	MTN HyNet	Band 42
Nigeria	Spectranet	Band 40
Nigeria	Swift Networks	Band 40
Oman	Omantel FDD & TDD	Band 40
Oman	Ooredoo FDD & TDD	Band 40
Peru	Americatel (Entel)	Band 40
Philippines	PLDT	Band 42
Poland	Aero2 FDD & TDD	Band 38
Romania	Idiliis/2K Telecom	Band 38
Russia	MegaFon FDD & TDD	Band 38
Russia	MTS FDD & TDD	Band 38
Russia	Vainakh Telecom	Band 40

S. Arabia	Mobily FDD & TDD	Band 38
S. Arabia	STC FDD & TDD	Band 40
S. Africa	Telkom Mobile (8ta)	Band 40
Slovak Republic	4ka FDD & TDD	Band 43
Spain	COTA Murcia4G	Band 38
Spain	Neo-Sky	Band 42
Sri Lanka	Dialog Axiata FDD & TDD	Band 40
Sri Lanka	Lanka Bell	Band 40
Sri Lanka	SLT	Band 38
Sweden	3 Sweden FDD & TDD	Band 38
Tanzania	Smart Telecom	Band 40
Tanzania	TTCL FDD & TDD	Band 40
Trinidad&Tobago	TSTT	Band 41
Uganda	MTN	Band 41
Uganda	Vodafone	Band 38
USA	Redzone Wireless	Band 41
USA	Speedconnect	Band 41
USA	Sprint FDD & TDD	Band 41
UK	UK Broadband	Band 42, 43
Uzbekistan	EVO	Band 40
Vanuatu	WanTok	Band 40

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LTE TDD (TD-LTE) bands in commercial use

Band	No. of networks
38	16
39	1
40	28
41	15
42/43	17

LTE TDD User Devices Ecosystem

GSA maintains a database of LTE FDD and TDD user devices. Key metrics are published in the Status of the LTE Ecosystem report. In the November 2, 2015 report GSA verified 3,745 LTE devices announced by 339 manufacturers. **1,408 devices i.e. 37.6% of LTE devices support LTE TDD (TD-LTE).** The smartphone is the largest category. There are 873 LTE TDD smartphones. Bands 40 and 38 have the largest device ecosystems. Bands 39 and 41 are also well supported. There is a good choice of multiband, dual-mode FDD-TDD devices.

LTE TDD	
2300 MHz band 40	1,021 devices
2600 MHz band 38	891 devices
2600 MHz band 41	769 devices
1900 MHz band 39	728 devices
3500 MHz band 42/43	33 devices

1/ Several devices are multi-band and multi-mode  
2/ Certain devices are carrier or country specific