



HIGH SPEED Global Multichannel Router



ETHERNET PORT



- **1-16 channel LTE GSM Channels**
- **SIM-less worldwide coverage**
- **Ideal for mobility projects**
- **CAT4, 6 or 12 Advanced LTE**

Available at
amazon Prime

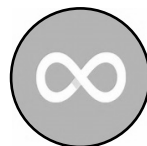
KEY BENEFITS



PAY as you Go or Monthly Plans



94 Countries Pay by Use



68 Countries Unlimited Data



162 supported Countries



12V car battery design



500+ Carriers supported



Connect via Ethernet Port

• **Bandwidth Bonding**

Bandwidth Bonds multiple LTE Channels together to one big HIGH SPEED pipe.

• **Get rid of the SIM-Card mess**

TERIUS was designed for virtual software SIM-Cards, which do get dynamic loaded, fitting the best-supported GSM carrier of the country where you are using the device. It provides mobile internet access to you at local cost, eliminating Roaming charges.

• **Gigabit Ethernet Port**

TERIUS connects your project convenient and direct, via the "Built in" Ethernet Port. Optional TERIUS Entry can be extended with one 802.11 AC 2.4/5 Ghz WIFI Module.

• **VPN**

Secure your traffic with the router built in VPN, which country specific can route your traffic secure and anonymous via public unsecure networks. Ideal for corporate users, who want to connect their global networks and mobile project teams.

• **Flexible LTE modules**

Choose from a large variety of available LTE CAT4, CAT6 and CAT4 Modules (LTE Advanced), for optimal trade of between required speed, carrier and country support.

Selectable CAT4, CAT6 and CAT 12 LTE modules	
E-CAT4 - Europe, Middle East, Africa, Korea, Thailand, India	4G FDD B1/B3/B5/B7/B8/B20 4G TDD B38/B40/B41 3G WCDMA B1/B5/B8 GPRS/EDGE B3/B8
AF-CAT4 - North America	4G FDD B2/B4/B5/B12/B13/B14/B66/B71 4G TDD none 3G WCDMA B2/B4/B5 GPRS/EDGE none
AU-CAT4 - Australia, Latin America, New Zealand, Taiwan	4G FDD B1/B2/B3/B4/B5/ B7/B8/B28 4G TDD B38/B40/B41 3G WCDMA B1/B8 GPRS/EDGE B3/B8
J-CAT4 - Japan	4G FDD B1/B3/B8/ B18/B19/ B26 4G TDD B41 3G WCDMA B1/B6/B8/B19 GPRS/EDGE B3/B8
C-CAT4 - China	4G FDD B1/B3/B5/B8 4G TDD B34/B38/B39/B40/B41 3G WCDMA B1/B8 GPRS/EDGE B3/B8
LTE-A-CAT6 - Europe	4G FDD B1/B3/B5/B7/B8/B20/B28/B32 TDD B38/B40/B41 LTE-A B1+B1/B5/B8/B20/B28, or B3+B3/B4/B7/B8/B20/B28 or B7+B5/B7/B8/B20/B28, or B20+B32, or B28+B32, or B38+B38, or B40+B40, or B41+B41 3G WCDMA B1/B3/B5/B8
LTE-A-CAT6 - USA	4G FDD B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66 LTE-A B2+B2/B5/B12/B13/B29, or B4+B4/B5/B12/B13/B29 or B7+B5/B7/B12/B25/B26, or B30+B5/B12/B29, or B66+B5/B12/B13/B29/B66 3G WCDMA B1/B3/B5/B8
LTE-A-CAT12 - Global	LTE-A B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B18/B19/B20/B26/B28/B29/B30/B32/B41/B42/B43/B46/B48/B66 3G WCDMA B1/B2/B4/B5/B6/B8/B9/B19
Maximum Speeds Download/Upload	LTE CAT4 - 150/50 Mbps (1 single Carrier/ 64/16 QAM) LTE-A CAT6 - 300/50 Mbps (2 bonded Carriers/ 64/16 QAM) LTE-A CAT12 - 600/150 Mbps (3 bonded Carriers/ 256 QAM) 3G - HSPA+ 43.2 Mbps

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<https://level421.com>

International:
Trade Register
71031971-000-08-19-2

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Level421 TERIUS PRODUCT COMPARISON

TERIUS STANDARD, ADVANCED & PROFESSIONAL



TERIUS ADV & PRO Indoor Aggregator



TERIUS 2 channel Outdoor Modem Module

	TERIUS STANDARD (1 channel)	TERIUS ADVANCED (2 or 4 channels)	TERIUS PRO (8 or 16 channels)
Indoor/ Outdoor Version	Indoor only	Indoor Aggregator with two outdoor RF modules, two GSM channels per modem module, maximum 2 modules to be connected	Indoor Aggregator with outdoor RF modules, two GSM channels per modem module, maximum 8 modules to be connected
Mounting	Desktop	19" Aggregator rack able 2HE Modem Module with 50 mm pole mount (optional Vehicle Mounting Kit available)	19" Aggregator rack able 2HE Modem Module with 50 mm pole mount (optional Vehicle Mounting Kit available)
Dimensions & Weight	168 x 102 x 30 mm / 0.5 kg	Aggregator: 400 x 325 x 90 / 8 kg Rack-able 19" 2U Modem Module: 220 x 140 x 55 mm / 1 kg	Aggregator: 400 x 325 x 90 mm / 10 kg Rack-able 19" 2U Modem Module: 220 x 140 x 55 mm / 1 kg
Recommended Users	25-50	100-200	250-500
Aggregated max Router Throughput	80 Mbps	200 Mbps	500 Mbps
Aggregation of additional Fiber link	No	Yes, via DHCP – one channel	Yes, via DHCP – one channel
Aggregation of additional Satellite link	No	No	Prepared
4G/ LTE Channels	1 LTE	2 or 4 –LTE-A	8 or 16 –LTE-A
LTE support	CAT4 or CAT6	CAT6 or CAT12	CAT12 or CAT18
Built in WIFI	802.11 AC 2.4 & 5 GHz (optional)	No	No
Antenna Connectors	4x SMA for LTE / 2x SMA for UMTS / 2x SMA Wifi (optional)	external RF Modules connected via POE	external RF Modules connected via POE
Power requirements	DC 12V – 15 Watt	DC 12V- 48V – 30 Watt	DC 12V- 48V – 60 Watt
LAN Interfaces	2x Gigabit Ethernet Port (one useable at current software release)	1x Gigabit Ethernet Ports & 1x SFP Gbps	1x Gigabit Ethernet Port & 1x SFP+ 10Gbps
Link Aggregation 2)	No	Yes	Yes
Bandwidth Bonding 3)	No	Yes	Yes
VPN	Integrated (L2TP IPSEC)	Integrated (L2TP IPSEC)	Integrated (L2TP IPSEC)
Router Functionalities	No	YES	YES
Advanced Software virtual SIM Features	Automatic SIM-Card Management, depending on network load, Automatic Soft-SIM, Automatic change of Mobile Operator	Automatic SIM-Card Management, depending on network load, Automatic Soft-SIM, Automatic change of Mobile Operator	Automatic SIM-Card Management, depending on network load, Automatic Soft-SIM, Automatic change of Mobile Operator
Carrier optimization 4)	Round Robin Failover	Automatic Best Carrier Evaluation	Automatic Best Carrier Evaluation
Problematic Carrier Suspension	Not supported	Automatic	Automatic
Certifications	CE, FCC	CE, FCC	CE, FCC
Implied legal Warranties	2 years	2 years	2 years

TERIUS is available with plans for different Regions. Domestic plans for one single individual country are available as well. The following Table gives an overview over those countries TERIUS can support:

EUROPE – 40 PRIME (51 TOTAL)	NORTH- / MIDDLE-AMERICA – 6 PRIME (35 TOTAL)
Albania, Andorra, Armenia, Austria , Azerbaijan, Belgium , Bulgaria , Croatia , Cyprus , Czech Republic , Denmark , Estonia , Finland , France , Georgia, Germany , Greece , Hungary , Iceland , Ireland , Italy , Kazakhstan, Latvia , Liechtenstein , Lithuania , Luxembourg , Macedonia, Malta , Monaco , Netherlands , Norway , Poland , Portugal , Romania , Russian Federation, San Marino , Serbia, Slovakia , Slovenia , Spain , Sweden , Switzerland , Turkey , Ukraine, United Kingdom , Vatican City , <u>Dependent Territories: Faroe Islands (DK), Gibraltar (UK), Guernsey (UK), Isle of Man (UK), Jersey (UK)</u>	Antigua and Barbuda, Barbados, Canada , Costa Rica , Dominica, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Saint Kitts and Nevis, Santa Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, United States of America , <u>Dependent Territories: Anguilla (UK), Bermuda (UK), British Virgin Islands (UK), Cayman Islands (UK), Montserrat (UK), Turks and Caicos Islands (UK), Goudaeloupe (FR), Martinique (FR), Saint Berthelemy (FR), Saint Martin (FR), Aruba (NL), Curacao (NL), Saba (NL), Sint Maarten (NL), Puerto Rico (USA), US Virgin Islands (USA)</u>
ASIA / MIDDLE-EAST – 16 PRIME (32 TOTAL)	AFRICA – 2 PRIME (30 TOTAL)
Bahrain , Bangladesh, Cambodia, China , Hong Kong , India, Indonesia, Iraq , Israel, Japan, Jordan , Kuwait , Kyrgystan, Lebanon, Macao , Malaysia, Oman , Pakistan, Phillipines , Qatar , Saudi Arabia , Singapore , South Korea, Sri Lanka, Taiwan , Tajikistan, Thailand , United Arab Emirates , Uzbekistan, Yemen <u>Dependent Territories: Hong Kong (CN), Macao (CN)</u>	Algeria, Angola, Benin, Burkina Faso, Cape Verde, Chad, Democratic Republic of Congo, Cote d' Ivoire, Egypt, Guinea, Gabon, Gambia, Ghana, Kenya, Morocco, Mozambique, Namibia, Niger, Nigeria, Senegal, Seychelles, Sierra Leone, South Africa, Tanzania, Togo, Tunisia, Uganda, Zambia, Reunion (France) , Mayotte (France)
SOUTH-AMERICA – 2 PRIME (11 TOTAL)	OCEANIA – 2 PRIME (3 TOTAL)
Argentina, Brazil , Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, <u>Dependent Territories: French Guyana (FR)</u>	Australia , Fiji, New Zealand

NOTE: PRIME-countries are marked **GREEN** (total of 68 for TERIUS DEVICES possible), service in total of 162 countries available.

1) Wan can get configured to add additional sources of capacity, such as a satellite modem, or a physical land line 2) Link Aggregation shares capacity load among multiple LTE channels, but not increases the total top speed per connection. 3) Bandwidth Bonding does aggregate together two physical LTE links at about 80 % of their nominal Bandwidth (Example LTE line A 10/50 Mbps + LTE line B 10/50 Mbps *0,8 = 16/80 Mbps Total aggregated Bandwidth) Link speeds must be equal. 4) Available by Q3/2020