Datasheet

alphatronics STREAM 5G









5G high-performance antenna (MiMo) from Panorama Antennas for perfect reception



Close cooperation

What do you get when 3 brands with different expertise from different sectors join forces and develop a joint product? That's right! alphatronics STREAM - Internet anytime, anywhere!



alphatronics UI

Technology can sometimes be complicated. To ensure that the product is easy to use, we worked with alpine to fine-tune the user interface. This resulted in the alphatronics UI, which provides the user with a simple and smartphone-friendly interface for operating the most important functions.

Model			alphatronics STREAM 5G PRO
MOBIL	Number of SIM lots	2x	
	Mobile	5G Sub - 6 GHz	SA/NSA 2.1/3.3 Gbps DL (4x4 MIMO),
	communication	900/600 Mbps	S UL (2x2); 4G (LTE) - LTE Cat 20 2.0 Gbps DL,
	standards	200 Mbps UL, 3G - 42 Mbps DL, 5.76 Mbps UL	
	Regions	Europe, Middle East, Africa, Oceania	
	Supported	5G NR NSA: n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n77	
	cellular bands 5G NR SA: n1, n		n3, n5, n7, n8, n20, n28, n38, n40, n41, n77, n78
	4G (LTE-FDD): E		B1, B3, B5, B7, B8, B20, B28, B32
	4G (LTE-TDD): B:		338, B40, B41, B42, B43 3G: B1, B5, B8
	Auto APN (automatic o	configuration)	•
	Adjustable automatic	switching	
	at low Singal (SIM1 & SIM2)		·
	Adjustable data limit		•
NETWORK (WIFI)	WIFI Mode		2.4 GHz & 5.0 GHz (IEEE 802.11b/g/n/ac)
			Access Point (AP), Station (STA)
	Number of WIFI partic	ipants	up to 150 pieces
	Encryption		WPA2-Enterprise - PEAP, WPA2-PSK,
			WEP, WPA-EAP, WPA-PSK; AES-CCMP
			TKIP, Auto Cipher, Client Separation
	SSID		ESSID stealth mode, access control
			based on the MAC address
	Browser forwarding wl	nen logging	
	on to foreign WIFI net		•
	(public networks, campsites)		
NETWORK (ETHERNET)	LAN	po	4x LAN ports, 10/100 Mbps, compliance
,			IEEE 802.3u, 802.3az standards,
			Auto MDI/MDIX support
	WAN		1x WAN port 10/100 Mbps, compliance
	/		IEEE 802.3u, 802.3az standards,
			supports auto MDI/MDIX
NETWORK (CENERAL)	Pouting		Static routing, dynamic routing (BGP,
NETWORK (GENERAL)	Routing		
			OSPF v2, RIP v1/v2, EIGRP, NHRP),
	Network		policy-based routing
	Network protocols		TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS,
			HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS,
			ARP, VRRP, PPP, PPPoE, UPNP, SSH,
			DHCP, Telnet, SMPP, SNMP, MQTT,
			Wake On Lan (WOL)
	VoIP passthrough sup	·	•
	Connection monitoring	5	Ping restart, Wget restart, periodic
			restart, LCP and ICMP for connection
			monitoring
SECURITY	Firewall		Port forwarding, access rules,
			User-defined rules
	DHCP		Static and dynamic IP assignment,
			DHCP relay
	alphatronicsSafe		•
	Protection against ext	ernal attacks	DDoS protection (SYN flood protection,
			protection against against SSH attacks,
			protection against HTTP/HTTPS attacks,
			protection against port scans (SYN-FIN,
			SYN-RST, X-mas, NULL flags, FIN scan attack
	Data control (consum	otion)	•
INTERFACE	User interface	· · · · · · · · · · · · · · · · · · ·	alphatronics UI (web-based)
	Operating system		Teltonika RutOS

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Flexible even abroad

The two SIM card slots allow you to use different networks or different providers. For example, you can use foreign SIM cards in addition to the main card to enjoy maximum speed at minimum cost even when on holiday.



Connecting to public networks

Would you like to use the router to log into a public network or the campsite network? No problem! Our router supports web-based forwarding for entering requested data or additionally confirming the privacy policy.



Flexible assembly

Various antenna versions are included with our router. This allows the router to be used both inside the vehicle and for external installation on the vehicle roof. You can choose individually depending on your requirements or the conditions of the vehicle.



alphatronicsSAFE

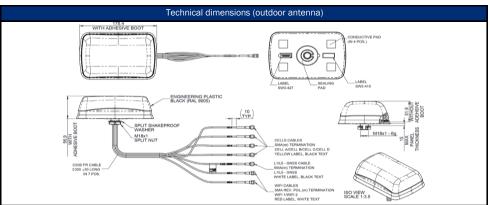
Security and parental control can also be an important companion when surfing the Internet on the move. That's why our alphatronics Stream offers several protection mechanisms and supports all current security standards and encryption. We have also integrated a blacklist function into the user interface. This allows the user to easily block undesired websites.

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Model		alphatronics STREAM 5G PRO	
CONNECTIONS	Inputs / Outputs Router	4 x SMA (socket) for LTE	
		2 x RP-SMA (socket) for WLAN	
		1x SMA (socket) for GPS	
		5x RJ45 socket	
		1x USB socket	
		1x 4-PIN power connector (DC)	
		2v SIM slot (SIM1 & SIM2)	

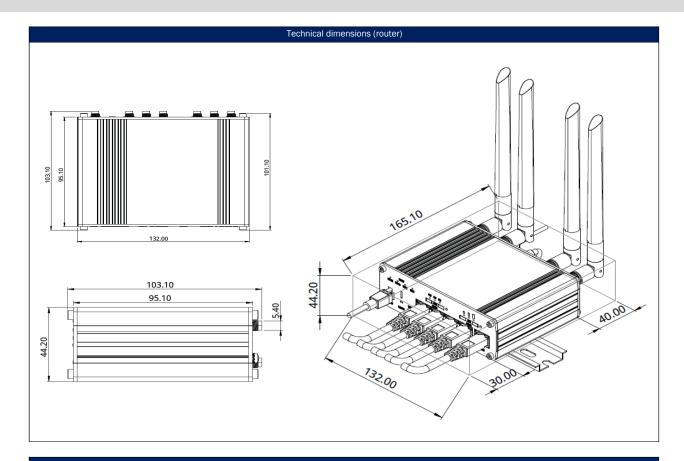
POWER SUPPLY	Power consumption (standby)	less than 4.0 W max. 18.0 W	
	Power consumption (full load)		
	Input voltage	9.0 - 50.0 V	
	Power consumption	300 mAh	
GENERAL	Dimensions	132 x 44.2 x 95.1 mm	
	Weight (router)	550 gram	
	Operating temperature	-40°C to +75°C	
	Humidity during operation	10% to 90% non-condensing	
	IP protection class	IP30	
	Approvals	CE, UK CA, ECE-R10	
	Color	silver	
SCOPE OF DELIVERY ¹	LTE router, outdoor antenna (PRO) with 4x LTE + 2x WIFI + 1x GPS, 2x WIFI rod		
	antenna, 2x LTE rod antenna, GPS antenna, 230V power supply unit,		
	12/24V power adapter, 1.5 m LAN cable, mounting clip, SIM card adapter,		
	connection accessories, operating instructions		
EAN CODE	Internal article number	991015	
	EAN	4260037135403	





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The features summarised



Control and configure your router via smartphone or tablet

The user interface of all STREAM models is designed so that you can open it conveniently via your smartphone, tablet or laptop browser. This offers you maximum flexibility, as no additional apps need to be installed on your devices.

Keep an eye on your data consumption

You can easily keep track of the data consumption of one or both SIM cards and even set the data limit for each SIM card. When the limit is reached, the router automatically becomes inactive or switches to the other card, depending on the default setting. This function is useful to avoid additional charges, especially with prepaid cards or when using the device abroad.

Connect to local or public WLAN networks

All alphatronics STREAM routers offer the option of connecting to local or public networks. An important function here is the forwarding of the network to a browser, for example for entering passwords or accepting terms of use. This helps to significantly reduce the data consumption of the SIM card and relieve its load.

The alphatronics STREAM 5G router is the latest model in the alphatronics STREAM family and offers you the best possible download speed that can currently be realised via a SIM card. The router is specially designed for 5G reception and can download data at a speed of up to 3000 MBit/s per second. Thanks to backwards compatibility (or in the event of insufficient 5G reception), data can alternatively be downloaded at up to 2000 MBit/s via the 4G LTE network (CAT2O). Since the external antenna plays a decisive role in performance, especially in the 5G sector, the 3-in-1 antenna (4x LTE, 2x WiFi and 1x GPS) was developed in close cooperation with Panorama Antennas, the market leader in antenna technology based in Germany!

The most important features at a glance:

- Speed (download) up to 3000 MBit/s in the 5G network!
- For everyone who needs maximum speed on the move
- Designed for both 5G networks and 4G (LTE) networks
- Intuitive operation thanks to the alphatronics web app
- High-performance outdoor antenna
- Automotive certified product
- Regular updates

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