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Predator Connect X5 5G CPE User Guide Version 0.1.18

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1. Overview

The Predator Connect X5 5G CPE is designed to feature 5G and Wi-Fi 6 technology. This guide provides an overview of Predator Connect X5's features, and description of the user interface and ports of the device.

The Predator Connect X5 delivers gigabit transfer speed along with gaming features and user experience tuned for demands of PC gamers and media streamers. The Predator Connect X5 can be used to provide internet access through 5G or 4G cellular data (SIM and Data Plan not included) over WiFi 6 or Cat. Paired with Web UI, Predator Connect X5 5G CPE provides a simple and secure user experience for connecting and gaming on the internet.

1.1. Package Contents

- The box should include the following items:
- Predator Connect X5
- Power Adapter
- Quick Start Guide
- Warranty
- Declaration of Conformity

1.2 System Requirements

 This Predator Connect X5 is compatible with WiFi devices which support 2.4GHz (802.11 b/g/n/ax) or 5GHz (802.11 a/n/ac/ax) and have a web browser.

1.3 LED Behaviors



Device Operati	Device Operation LED Behavior					
LED	5G LED	4G LED	WiFi / WPS	Power LED		
Indicator &	Status	Status	LED	Status		
Status			Status			
5G Signal	Flashing Blue	Off	Static	Solid Green		
4G Signal		Flashing	Static	Solid Green		
		Green				
Booting	Flashing	Flashing	Static	Solid Green		
	Green	Green				
No Coverage	Solid Red	Solid Red	Static	Solid Green		
or No SIM						
5G Data	Solid Blue	Off	Static	Solid Green		
Connection						
(Connected)						
4G Data	Off	Solid Green	Static	Solid Green		
Connection						
(Connected)						
WiFi is	Static	Static	Solid Green	Solid Green		

Enabled				
WiFi is	Static	Static	Off	Solid Green
Disabled				

Reset and Upd	Reset and Update LED Behavior					
LED	5G LED	4G LED	WiFi / WPS	Power LED		
Indicator &	Status	Status	LED	Status		
Status			Status			
Factory	Static then	Static then	Static then	Static then		
Reset	Flashing Blue	Off	Off	Off		
Firmware	Static then	Static then	Static then	Static then		
Update	Flashing Blue	Off	Off	Off		
Device	Static then	Static then	Static then	Static then		
Shutdown	Off	Off	Off	Solid Green		
				then Off		

1.4 Rear View (Ports)





1.6 Environmental

- Operating temperature: -0 °C to 43 °C (0 °F to 95 °F) RH 90% Humidity
- Storage temperature: 0 °C to 45 °C (0 °F to 113 °F) RH 0% to 90% Humidity

1.3.5 Power Management

- Your Predator Connect X5 5G CPE comes with a 12v, 2.0A Max 24.0W power adapter. The included power adapter has an AC Input rating of 100-240V-, 0.85A, 50-60Hz.
- Note: To ensure your Predator Connect X5 works as intended, it is recommended you only use the accessories provided with your device.

2. Installation / First-time setup

2.1 Setup location

- Please choose a sturdy and open space for your Predator Connect X5 5G CPE.
- To ensure the best performance, be sure the area around your Predator Connect X5 is clear of miscellaneous items and debris. To ensure the best thermal performance and safe operations, please ensure that the thermal vents are not be blocked.

2.2 Setting up

- Locate the bottom of the Device
- Insert the SIM Card
- Lift the SIM door.
- Insert the SIM card into the slot with the gold contacts facing downwards.



- Fully insert the SIM card until it clicks into place.
- Note: Follow the notch direction on the top left of the SIM card slot. Also
 push the SIM into the slot smoothly all the way in with your finger tip and
 nail. Do not use any tool, as it may damage the SIM.
- Power to the device
- To power your device, connect it to your power adapter.
- Connect the power supply to the wall plug socket.



- Powering on the Predator Connect X5.
- Power on: Press the power button for 3 seconds. All LEDs will show solid green at the same time when the device has been switched on.
- To switch off your device: Press the power button for 3 seconds, until the LEDs power off.



2.3 Getting online

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- Ensure your Predator Connect X5 is switched on and connected to the network.
 - A. You can refer to the LED Behavior table for more information.
 - Connect your Computer to the internet using WiFi
 - A. Connect your computer or device to Predator Connect X5 via WiFi:
 - B. Search Predator Connect X5 wireless network name (SSID) on your device.
 - C. 2.4GHz wireless network name: PredatorConnect-X5-XXXX-2.4GHz
 - D. 5GHz wireless network name: PredatorConnect-X5-XXXX-5GHz
 - E. Connect to your preferred SSID.
 - F. Enter your WiFi password.
 - i. Note: You can find your default WiFi password on the label located on the underside of the Predator Connect X5.
- Connect your Computer to Predator Connect X5 via Ethernet cable:
 - A. Connect your Ethernet cable to Game port (Blue Icon) or LAN port (Gray Icon). You will see a LAN port connection on your laptop



3. Predator Connect X5 Home Page

3.1 Predator Connect X5 Home Page Compatibility

- The Predator Connect X5 Home Page is compatible with the following browsers:
 - A. Google Chrome
 - B. Mozilla Firefox
 - C. Safari
 - D. Microsoft Edge

3.2 Logging into the Predator Connect X5 Home Page

- Open your web browser.
- Type http://192.168.76.1:8080 into the address bar and press enter. The Home page will then load, as shown in the screenshot below.

PREDATOR		
	Predator Connect X5	
		English 🗸
	Admin login	
	Remember password	
	Login	

• On the Home page, enter the password as found on device label on the bottom of the Predator Connect X5 and click Login.



• Note: You will need to change your password at first time you login.



		Predator Connect X5	
3 Dashboard	Login password		
Game acceleration	System time		
🕯 Quick setup	Languages		
3 5G network	Backup & restore		
) WAN	System information	*Current password:	Ø
ି WiFi	Reset & restart	New password:	0
a LAN	Firmware update		
Home network security	Antenna switch	comirm password:	
	System logs		Cancel Apply
	USB storage		Cancer Appig
	Logout		

4. Quick Setup

4.1 First boot up

• You will need to proceed with your Predator Connect X5's Quick setup. This process will take only a few steps to complete. To connect to the internet. Please choose your preferred WAN to set first.

	Predator Connect X5
回 Dashboard @ Game acceleration	
🖬 5G network	
🖶 WAN	
≑ WiFi	
Q LAN	SG WAN
Home network security	
& System	

PREDATOR	
	Predator Connect X5
 Dashboard Game acceleration Quick setup SG network WAN WiFi LAN Home network security System 	Quick setup So way So way So way So way Image: Contract the power supply to Predator Connect XS, and then turn on the power of Predator Connect XS. Image: Contract the SIM card into the SIM card slot at the bottom of the Predator Connect XS. Image: Contract the SIM card into the SIM card slot at the bottom of the Predator Connect XS.

			ct X5	
া Dashboard 야 Game acceleration				
Guick setup SG network WAN ♥ WIFI & LAN	SIG Z WAN		Connected to Internet successfully.	wn
System				
		Primary WAN:	.41 46	
		Connected to:	Chunghwa	
		IP address:	10.40.54.91	
		IPv6 address:	2001:b400:e283:a29f:b626:d8f5	c3feec7
🗉 Dashboard				
Dashboard Game acceleration	Quick setup			
Dashboard G Game acceleration G Quick setup	Quick setup			
Dashboard Go Game acceleration Go WAN	Quick setup		ever terret.	e WF
Dashboard Control Con	Quick setup		ever Internet	WF
Dashboard Game acceleration Game acceleration Guick setup Guick setup WAN WiFi KuAN Cutour Setup KuAN	Quick setup SG / WAN 2.4GHz WiFi 2.4GHz		e e e e e e e e e e e e e e e e e e e	e WF
Dashboard Game acceleration Guick setup GSG network WAN WiFi LAN Home network security System	Quick setup SG7WMN 2.4GHz WiFi 2.4GHz WiFi 55JD:		Triternet PredatorConnect-X5-22	 ● ₩F 63-24GHz
Dashboard Game acceleration Game acceleration Guick setup Go SG network WIFI WAN WIFI A LAN Home network security S System	Quick setup SG / WWW 2.4GHz WiFi 2.4GHz *WiFi 5.53D: SSID broadcast:		PredatorConnect-X5-22	0 WF
Dashboard Game acceleration Game acceleration Guick setup Go 56 network WAN WiFi Guick Jan Guic	Quick setup So / WAN 2.4GHz WiFi 2.4GHz WiFi 5SID: SSID broadcast: SSID broadcast: Securitu:		PredatorConnect-X5-22	63-246Hz
 Dashboard Game acceleration Quick setup SG network WAN WiFi LAN Home network security System 	Quick setup SG/WWW 24GHz WIFI 24GHz SSID broadcast: SSID broadcast: Security:		PredatorConnect-X5-22	63-24GHz
Dashboard Game acceleration Game acceleration Guick setup GS5 network WAN WiFi KAN Guick JAN Gu	Quick setup Cuick setup Control of the set		PredatorConnect-X5-22 WPA2 AES	63-24GHz
Dashboard Game acceleration Game acceleration Guick setup Go SG network WiFi Guick Man Home network security System	Quick setup Quick setup Quick setup Scown 24GHz WiFi 24GHz WiFi SSID: SciD broadcast: SciD broadcast: Encryption: 'WiFi password:		PredatorConnect-X5-22 WPA2 AES 	63-24GHz VVF
 Dashboard Game acceleration Quick setup SG network WAN WIFI LAN Home network security System 	Quick setup Course setup CAGHZ WiFi 245Hz WiFi 55ID: SSID broadcast: SSID broadcast: ivifi password:		PredatorConnect-XS-22 WPA2 AES	63-24GHz
 Dashboard Game acceleration Quick setup SG network WAN WiFi LAN Home network security System 	Cuick setup Cuick setup Control of the setup		PredatorConnect-X5-22	63-246Hz

• You may modifying your WiFi SSID for both 2.4GHz and 5GHz.

4.2 Status Icons

Description	Icon displayed on Dashboard					
Signal indicator	From full signal bar to no signal					
Connection status	Disconnected 🛞 Connected					
LAN status	LAN is disconnected					
WiFi status	奈 WiFi is disabled 🛛 🋜 WiFi is enabled					
Connected devices	Connected devices					
Data usage	Ĵ↓ Data usage					

5. Dashboard

5.1 Command Center

• The first available option on the menu tree is the Dashboard. You will also firstly arrive at The Predator Connect X5's dashboard once successfully logged in. You can check and view basic information about your device here

- 1. Internet Status: shows the current connection status to the internet.
- Dual WAN Status: it shows dual WAN status include primary WAN and second WAN source. User can decide which of the Cellular or Ethernet WAN connection will be assigned the primary WAN or second WAN. Dual WAN supports two modes:
 - A. Load balance is also a feature of Dual WAN mode. User can assign each client device to connect to internet through primary WAN or secondary WAN to make overall processing more efficient.
 - B. Failover mode by default utilizes primary WAN. If the primary WAN is disconnected, the secondary WAN will switch over seamlessly.
- 3. **WiFi Status** quickly indicate the status of 2.4GHz and 5GHz WiFi, in easily distinguishable on-or-off indicator.
- **4.** LAN Status quickly indicate the status of LAN ports 1,2, and 3. LAN1 can be set as a WAN port.
- 5. **Connected Devices** shows how many client devices are connected to your Predator Connect X5's WiFi or LAN.

There is also a Device List where you further review or execute actionable tasks such as renaming or blocking devices.

Connected devices (16)					
Device	IP address	MAC address	Connection	Duration	Operation
Predator-Big4 🥜	192168.1.215	0433C2F4F1AF	WiFi-5GHz	00:08:16	Block
Predator-Big2 🥜	1921681225	04:33:C2:F4:F1:B9	WiFi-2.4GHz	00:01:04	Block
ARK-03 🥖	192.168.1.5	40:9F:38:06:F1:F3	WiFi-2.4GHz	00:05:56	Block
DESKTOP-DEESOJQ 🥖	192168.129	40:9F:38:06:F2:C3	WiFi-2.4GHz	00:05:04	Block
DESKTOP-DEESOJQ 🥖	1921681.92	80:C5:F2:47:0F:07	WiFi-2.4GHz	00:02:31	Block
DESKTOP-A3CLODO 🧪	192168.1.93	80:C5:F2:47:11:75	WiFi-2.4GHz	00:04:17	Block
VN-04 🥖	1921681167	A402892A937E	WiFi-5GHz	00:08:15	Block
VN-02 🥖	192168.110	A4:02:89:2A:97:88	WiFi-5GHz	00:08:12	Block
NV-01 🥖	192168.1.19	C821:58:81:A2:9C	WiFi-5GHz	00:08:11	Block
DESKTOP-713EQ21 🥖	1921681.64	C8:21:58:B1:A2:C9	WiFi-5GHz	00:07:57	Block

- 6. **Network Traffic** help indicate real time status of the Download (DL) and Upload (UL) Speeds across the Primary and Secondary WAN.
- 7. **5G Data Usage** can indicate the total data used this month. User can set start date of each month.
- 8. **Network Speed Test** powered by OOKLA. With a single push of the "GO" button to test the speed for the Primary WAN.

6. Game Acceleration

Designed for Gaming

The Predator Connect X5 5G CPE is designed with awesome gaming capabilities to ensure you to have the best online gaming experience. Predator Connect X5 supports two types of QoS modes (Quality of Service) for game acceleration.

db bisedhildir	
	Predator Connect X5
🛙 Dashboard	Game acceleration
-{ Quick setup	Your Predator Connect X5 is designed to detect and accelerate network traffic for specific websites and/or apps, such as online games for maximized speed with the integrated Intel Killer Prioritization Engine. With WTFast, you will experience reduced lag, lower ping, smoother
🛛 5G network	connection, fewer spikes, less jitter and packet loss.
) WAN	
⊳ WiFi	Killer prioritization mode
LAN	
Home network security	
\$ System	
	Predator Connect X5 automatically adjust applications priority linked to your PC's Killer Control Center. For further
	customized setting adjustments; please go to Killer Control Center.
	P1: Gaming P2: Video conference
	P3: Streaming video P4: Web & others
	Set bandwidth
	Maximum downlink: 300 Mbps
	*Maximum uplink: 100 Mbps
	Cancel Apply
	Note: Please get the bandwidth inofrmation from your network provider or run go to http://speedleat.net to check network bandwidth.
	WIFast-Gamer Private Network Affast
	WTFast optimizes your game connection through an intelligent server from any where!

6.1 Killer prioritization mode

The Intel® Killer™ Prioritization Engine

 Offers advanced network data detection and prioritization. It offers new intelligent network capabilities that detect and accelerate network traffic for specific websites in addition to the gaming or creative applications running on your computer. By prioritizing network traffic for key websites above lower-priority websites and apps, the Intel Killer Prioritization Engine provides a more enjoyable and uninterrupted online entertainment experience. Watch a game, stream your game, play web-based games, and watch online videos all at the same time with a new level of confidence. The engine enables default prioritization automatically, but you can also customize settings and bandwidth levels. With 4 levels of prioritization, you can take full advantage of the extra network data detection capabilities that are part of the Intel Killer Prioritization Engine to get the best online experience possible on your system.

Note: Please set to single WAN or Dual WAN with failover mode. Killer prioritization mode can only be used in Single WAN configuration.

Killer prioritization mode is compatible with Killer enabled PC or devices. If your PC doesn't support killer, you can select Device Prioritization mode.

6.2 Device Prioritization Mode

 Enables you to manage priorities of the devices connected to your router. Easily and permanently set your devices as main priority to ensure your bandwidth is not throttled or affected by others.

Game Port

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• Devices connected to this port will always be set to high priority.

Manual Prioritization

• Enables a finer grain control of your device priority and management within the network. Manually set priority for devices connected to your Predator Connect X5. It can be manually adjusted to be high/normal/low respectively.

Please refer to the below screen captures for routing options for your connected devices.

		redator Connect X5		
Dashboard	Game acceleration			
Quick setup	Your Predator Connect XS is d maximized speed with the integ	exagned to delect and accelerate network grated Intel Killer Prioritization Engine. W	i traffic for specific websites and th WTFaid, you will experience re	for apps, such as online games for oduced lag, lower ping smoother
5G network				
WAN				
WIFI	💿 Killer (prioritization mode	💿 Device prioritizatio	n made
LAN				
Home network security				
System	Device prioritiz Manually so manually ac	ation mode It priority for devices connected to your 1 (asted to be high/normat/low respective)	Prodator Connect XS. The default ly Game port priority is set HIGr	t priority for other devices can be Thy default
	Duel WAN r	mode: Off		
	Game port:			
	Primary W/	AN: WAN		
	Haborier	tu Normal or	iaritu La	e orientu
	Peddad77	kn Predstor-Di	p?	RCH
		157 IR MARKED	1255 IP	AC FOOTBORN
	RE	(2) (second) Description	1994	+64
	(¹¹¹) A194 CE	DY DECEM	164 17	26366367
	IP PERAL	ngo MAC ener	astractor M	AC #40492523270
		the dealers to the methods advice relation	and a second the changes -	NLOYTIKARASA
		Private Network	ist	Affast
	WTFast opt server nebw without lag jitter and p	Imaxes your game connection through an ork to roote your game data. Experience Lower ping, smoother connection, fewer advet looc:	Intelligent server online gaming spikes, less	fon any game from ney where!
		G	et your free trial	

•

Dual WAN Mode

	Predat	tor connect X5	
Dashboard			
Quick setup	Your Predator Connect XS is designed to maximized uncert with the interacted To	to detect and accelerate network traffic for specific rel tiller Drivetization Exclose. With WITEst user will	websites and/or apps, such as online games for Learner and the leaver over several bar
5G network	connection, fower spikes, less jitter and	packet loss.	a contract of the state of the state of the state of the
WAN			
WIFI			
LAN		uon mode	e prioritization mode
Homo notwork con ritu			
Fustern			
System	Manually set priorits	g for devices connected to your Predator Connect 3	5. The default priority for other devices can be
	Due WAN mode		
	Game port:		
	D		
	Primary wave		
	High scientific	Normal minito	Low origina
		1994 - 96.028 - 96.143.0.13	ARCE
		7	IP: PEPHALLISP
	MAC Astronomy Addr	0 19 19 19 16 19 4	MAC: FDICEB: an addabat
	- Phin	Concepter MAC dest Actions	ABCM
	С) пезило-за натриа	n Predator-Baj2	IP INFIGURE
		IP PRIBATAS	MAC: IDDBBC/0000
	MAGINITING	MACLESSORIES	TREASTOR AND ADDRESS
	Secondary WAN:		
	High priority	Normal priority	Low priority
	Produce-thgt	VIETER	DESCIDE-ARCIDEDIN
	an estimation	ID- PROTOTION	DP. PARTNALLERS
	MAC diskolation.	Attraction Contraction	MAC 80(5)(24/11/5
	DE-SCILET- 7L B CA-9	Produtor-Hig3	VN-03
	IP PERMIT	IP 1923641219	II- PLAIGALAIA
	MC 082158bba2c9	ADDITESTEERD SAM	MAC (827568La250)

Figure. Dual WAN with Load Balance

■ Figure. Dual WAN with Failover

Note: all client devices will set to normal priority as default. User can adjust the preferred priority manually.

7. 5GNR / 4GLTE Cellular Network

7.1 Your 5G network status

• This section displays key fine-grain information regarding your connection status. You may find information such as connection status, network type, network name, bands, IP address and more. Furthermore, you may even disconnect by pressing the disconnect button

🗉 Dashboard	5G network status		
C Game acceleration	Network connection		
너 Quick setup	Profile management		
	Network mode	SIM status:	SIM PIN verified
# WAN	Data usage	Connection status:	Connected Disconnect
≑ WiFi	SIM PIN management		
& LAN	SMS inbox	Network name:	Т₩М
Home network security	SMS forwarding	Network type:	
🖏 System		RSRP:	-77 dBm
			-63 dBm
		Band:	83+81
		LTE cell ID:	56582124
		Profile name:	internet (Default) V
		IP address:	10.96.170.11
		IPv6 address:	2402:7500:486:38d::536:8bbf

7.2 Network Connection modes

- Can be selectable between Auto and Manual.
- Auto : Every time router boot up, the router will connect to the 4G/5G network automatically by default.
- Manual : Every time router boot up, user is required to press "Connect" button to connect to the 4G/5G network.

🗏 Dashboard	5G network status	Network connection		
° Game acceleration	Network connection			
≒ Quick setup	Profile management			mode to auto or manual, enable or disable data
	Network mode			
WAN	Data usage	Connection mode	Auto	Manual
🕈 WiFi	SIM PIN management	Data roaming	-	
Q LAN	SMS inbax			
🔍 Home network security	SMS forwarding			Cancel Apply
∜ System				

7.3 Data Roaming

• Occurs whenever your device disconnects from your carrier's network and hops on another network. This functionality is by default disabled. Data Roaming can be turned on by navigating to the 5G

7.4 Profile Management

 Predator Connect X5 will detect your SIM and set APN(Access Point Name) for 4G/5G data connection as the default configuration. But some carriers maybe not be automatically configured by Predator Connect X5. In those cases, user need to manually create a new profile and setup the SIM's APN.

PREDATOR			
া Dashboard (* Game acceleration 넉 Quick setup @ 56 network	5G network status Network connection Profile management Network mode	Profile management Profile management allows created.	
@ WAN	Data usage	Profile name:	internet (Default)
♥ WIFI © LAN	SIM PIN management SMS inbox	Dial number:	*99#
Home network security	SMS forwarding	APN:	internet
& System		IP Type:	IPv4v6
		Username:	
		Password:	
		Protocol:	None
			New Edit Delete Set default

7.5 Network search mode

- Network search can be set to Auto or Manual.
- There are 4 network modes that can be selected.
- 1. 5G NSA -> 4G
- 2. 5G SA -> 5G NSA -> 4G

3. 5G SA only 4. 4G onlu

国 Dashboard	5G network status			
C Game acceleration	Network connection			
垟 Quick setup	Profile management			
	Network mode	Network search mode:	🔷 Auto 🔷	Manual
WAN	Data usage	Network mode:	Auto (5G/4G)	~ 0
≑ WiFi	SIM PIN management			
& LAN	SMS inbax		Cancel	iearch Apply
% Home network security	SMS forwarding			
& System				

7.6 Data usage

Enables you to understand how you are using your data. You can • designate the start date for each month, limitation, and even data limit warnings.

Note: The data limitation is base on your data plan and network operator. The router will not limit data usage. Please contact your data plan provider for more details about your data plan and how it may affect your online experience.

		Predator Connect XS		
Dashboard Game assoleration	5G network status	Data usage		
	De Cl			
1 Quick setup	Profile management			
5G network	Network mode	network operator.		
€ WAN	Data usage			
[₽] WiFi	SIM PIN management	Start date of each month:		
A LAN	SMS inbox	Data limitation of each month:	100	
Home network security	SMS forwarding			
Sustem		Data warning of each month:	90	

There will be statistical chart that will be available where as you will be able to set your data period and also how your view your data. Please note that 3 months is the limit for the stored data consumption.

7.7 SIM PIN Management.

 SIM PIN is a password used to control the rights of using a SIM card, and prevent unauthorized users from using it. You may also change the SIM PIN by clicking the Change SIM PIN button. Do note that if you fail to enter the correct SIM PIN code 3 times in succession, the SIM card will be locked. You can unlocked the SIM card by entering the PUK code. If you do not have the PUK Code, please contact your 5G / 4G cellular provider. Please be advised, if you fail to enter the correct PUK code 10 times in succession, the SIM card will be locked permanently.

Image: Dashboard SG network status SIM PIN management Image: Dashboard SG network status SIM PIN management Image: Dashboard Profile management SIM PIN is a passwerd used to control the rights of using a SIM card, and prevents unauthorized users if using it. Image: Dashboard Network mode Image: Dashboard Network mode Image: Dashboard SIM PIN status: Image: Dashb	ф PREDATOR	
Image: Dashboard SG network status Image: Dashboard SG network status Image: Dashboard Network connection Image: Dashboard Network connection Image: Dashboard SIM PIN is a password used to control the rights of using a SIM card, and prevents unauthorized users for using it. Image: Dashboard Network mode Image: Dashboard SIM PIN is a password used to control the rights of using a SIM card, and prevents unauthorized users for using it. Image: Dashboard Network mode Image: Dashboard SIM PIN status: Image: Dashboard SIM PIN status: Image: Dashboard SMS inbox Image: Dashboard SMS inbox Image: Dashboard SMS inbox Image: Dashboard SMS forwarding Image: Dashboard Supervisition		Predator Connect X5
Image: Sonetwork Network mode Image: Sonetwork Data usage Image: SIM PIN status: Image: SIM PIN status: Image: WiFi SIM PIN management Image: LAN SMS inbox Image: Home network security SMS forwarding Image: Signt Pin SMS forwarding	Dashboard Dashboard Game acceleration Quick setup Profile management	SIM PIN management SIM PIN is a password used to control the rights of using a SIM card, and prevents unauthorized users from
WiFi SIM PIN management ILAN SMS inbox Home network security SMS forwarding System System	SG network mode	
& LAN SMS inbox Change SIM PIN Home network security SMS forwarding System	P WIFI SIM PIN managemen	nt en
4 System	LAN SMS inbox Home network security SMS forwarding	Change SIM PIN
	§ System	

PREDATOR		
		Predator Connect XS
া Dashboard ⓒ Game acceleration 닉 Quick setup	5G network status Network connection Profile management	SIM PIN management SIM PIN is a password used to control the rights of using a SIM card, and prevents unauthorized users from using it.
 G network WAN WiFi 	Network mode Data usage SIM PIN management	Change SIM PIN:
LAN	SMS inbox	
🔍 Home network security 🖏 System	SMS forwarding	*New SIM PIN:
		Remaining attempt(s): 3
		Cancel Apply
		Note: If you fail to enter the correct PIN code 3 times in succession, the SIM card will be locked. You can unlock the SIM card by entering the PUIC code. If you fail to enter the correct PUIC code 10 times in succession, the SIM card will be locked permanently. If you have lost or forgatten your PIN (PUIK) code, contact your service provider.

Note: if user enables SIM PIN. The router will not connect to 4G/5G network automatically until user enter PIN code when every time router boot up.

7.8 SIM Inbox

• Allows you to view SMS messages that is received in the installed SIM card of your Predator Connect X5. You are able to individually delete unwanted SMS from here.

Game acceleration Network	k connection				
and the second	management. The St		ew all of your account's incoming tex	ts.	
5G network Network	k mode SMS s	torage status (Used capacit	y∕Total): 0/100	Dela	rte
WAN Data us	N management State	Phone number f	ontent	Time	
LAN 5M5 in	box				
Home network security SMS for	rwarding		C 🛄 🖸		
system					

7.9 SMS Forwarding function

• Allows SMS messages that is received by the installed SIM card of your Predator Connect X5 to be forward to another phone number; such as the phone number of your personal Smartphone.

7.10 Reading SMS

- A. Left-click the content of the message you wish to read.
- B. You may delete your SMS messages by clicking the delete button.

Dashboard Game acceleration	5G network status Network connection		
🕯 Quick setup	Profile management		
5G network	Network mode	SMS forwarding to mobile phone:	
? WiFi	SIM PIN management	Recipient's number:	
a lan	SMS inbax		
Home network security	SMS forwarding		Cancel Apply
& System			

8. WAN

8.1 WAN Status.

- Displays the different operating status regarding the functions and features of your Predator Connect X5's WAN capabilities.
 - A. Duration
 - B. Connection Status: displays Connected or Disconnected
 - C. MAC address
 - D. Connection Mode: DHCP, Static IP, PPPoE, and Switch WAN port to LAN1. You may change the connection mode in WAN Setting.
 - E. IP address
 - F. Subnet mask
 - G. Default gateway
 - H. Primary DNS sever
 - I. Secondary DNS server

PREDATOR				
		Predator Connect X5		
	1			
🖻 Dashboard	WAN status	WAN status		
Game acceleration	WAN setting			
≒ Quick setup	Dual WAN setting			
🖬 5G network	DMZ	Duration:	30:16:42	
WAN	WAN ping	Connection status:	Connected	
≑ WiFi	UPnP			
🗞 LAN	NAT passthrough	MAC address:	C0:18:50:15:4B:70	
% Home network security	Port forwarding	Connection mode:	DHCP	
🗞 System	VPN server			
		IP address:	192.168.50.119	
		Subnet mask:	255.255.255.0	
		Default gateway:	192.168.50.1	
		Primary DNS server:	192.168.50.1	

8.2 WAN Setting

 Set Ethernet WAN connection mode. It can be dynamic IP static IP, or PPPoE. It is possible to set this port as LAN port. Just use the down arrow to reveal the drop down menu to select your preferred WAN setting.

PREDATOR				
		Predator Connect >	(5	
🖻 Dashboard	WAN status	WAN setting		
Game acceleration	WAN setting	Set Ethernet WAN connection mode. It can be dymanic IP, static IP, PPPoE. You can also set this po LAN port.		ID DDDaF. You can also set this port as
a Quick setup	Dual WAN setting			
35 network	DMZ			
WAN	WAN ping	Connection mode:	DHCP	*
WiFi	UPnP			
LAN	NAT passthrough			Cancel Apply
Home network security	Port forwarding			
§ System	VPN server			

8.3 Dual WAN Setting

 Predator Connect X5 has two WAN connections, 5G NR and Ethernet WAN. User can select primary WAN and secondary WAN. User can also select dual WAN mode with failover or load balance function applied.

		Predator Conne	ct X5	
🖻 Dashboard	WAN status	Dual WAN setting		
Game acceleration	WAN setting			
넉 Quick setup	Dual WAN setting	Predator Connect X5 ha WAN and secondary W/	as two WAN connections: wireless 5 AN. User can select dual WAN mode	JoNR and Ethernet WAN. User can select primary e as failover or load balance.
🗟 5G network	DMZ			
⊕ WAN	WAN ping	Dual WAN:	-	
ବ WiFi ଷ LAN	UPnP NAT passthrough	Primary WAN:	I WAN	5G WAN
% Home network security	Port forwarding	Secondary WAN:	WAN	🔿 5G WAN
System	VPN server	Made:	Failover 🗿	Load balance (2)
				Cancel Apply

8.4 DMZ

 If external users can't access certain network services provided by the Local Area Network (LAN), use the DMZ function to set the client that provides the required network services as the DMZ host. External users will then have access to all the services. Note that clients in the DMZ will be exposed to WAN traffic. Apply DMZ host IP address in the provided field and click "apply" to instate the function.

회 Dashboard	WAN status	DMZ
® Game acceleration	WAN setting	If external users can't access certain network services provided by the Local Area Network (LAN), use the
중 Quick setup	Dual WAN setting	DMZ function to set the client that provides the required network services as the DMZ host. External users
∃ 5G network ∌ WAN ? WiFi	DMZ WAN ping UPnP	will then have access to all services. Note that clients in the DMZ will be exposed to WAN traffic. DMZ:
े LAN	NAT passthrough	DMZ host IP address:
े Home network security	Port forwarding	e.g. 192168.0.100
े System	VPN server	Cancel Apply

8.5 WAN Ping

• The WAN port of Predator Connect X5 will respond to ping requests from the Internet that are sent to the WAN IP address. By switching WAN port ping, your device will respond to ping. For improved security, switch off the WAN ping when not in use.

		Predator Connect X5
I Dashboard ⓒ Game acceleration 낙 Quick setup	WAN status WAN setting Dual WAN setting	WAN ping It will allow Predator Connect X5 to respond to ping requests from the Internet.
🗟 5G network	DMZ	WAN port ping:
WAN	WAN ping	Note - Eachatter security, stay in this setting tyrned off and the desire will pet respond to a ning from the
রু WIFI ই LAN	UPnP NAT passthrough	tede is to be certise secondy study in this secondy connection, and the device winnak respond to a pring norm the WAN.
% Home network security	Port forwarding	
🖏 System	VPN server	

8.6 UPnP

 Also known as Universal Plug and Play, is a set of networking protocol that permits devices connected to your Predator Connect X5 to discover each other and establish functional network services for data sharing, communications, and entertainment.

Predator Connect X5				
 Dashboard Game acceleration Quick setup 56 network WAN WAN WIFI LAN Home network security System 	WAN status WAN setting Dual WAN setting DMZ WAN ping UPnP NAT passthrough Port forwarding VPN server	UPnP Universal Plug and Play (UPnP) is a set of networking protocols that permits devices connected to your Predator Connect XS to discover each other and establish functional network services for data sharing, communications, and entertainment. UPnP:		

8.7 NAT Passthrough

• Allows a VPN, or virtual private network connection to pass through the router to the network client(s).

Dashboard	WAN status	NAT passtbrough
Game acceleration	WAN setting	
Quick setup	Dual WAN setting	Enable NAT passthrough. This allows a Virtual Private Network [VPN] connection to pass through the router to the network clients.
5G network	DMZ	
	WAN ping	NAT passthrough:
WiFi	UPnP	
LAN	NAT passthrough	
Home network security	Port forwarding	
System	VPN server	

8.8 Port forwarding

• This feature allows external users to connect to Local Area Network (LAN) services using Hypertext Transfer Protocol (HTTP), File Transfer Protocols (FTP), and other protocols.

l Dashboard	WAN status	
Game acceleration	WAN setting	
🗟 Quick setup	Dual WAN setting	
35 network	DMZ	
🖻 WAN	WAN ping	
₹ WIFI	UPnP	Name WAN LAN IP address Protocol Status Operation port[s]
a, lan	NAT passthrough	0
Home network security	Port forwarding	
🖇 System	VPN server	

*Name:		
*LAN IP address:		
*LAN port(s):		
*WAN port(s):		
*Protocol:	ТСР	
*Status:	On	
	Capcel Applu	

8.9 VPN server

 Setup VPN server on Predator Connect X5 for remote VPN connection from the internet. By switching on this function, further adjust your requirement by selecting between UDP and TCP. Designate Service port, VPN subnet, VPN netmask. Further client access control can be created by limiting user to Hone network only, or Internet and home network. You may export your configuration file and also generate new certificates.

W PREDATOR					
回 Dashboard @ Game acceleration	WAN status WAN setting	VPN server			
역 Quick setup 뎁 5G network ⊕ WAN	Dual WAN setting DMZ WAN ping	Open/VPN:			A.
ବ WiFi ବ୍ୟ LAN ଜ୍ୟୁ Hame petwork conjunts	UPnP NAT passthrough	Connection type	Remote IP	Local IP Duration	Operation
System	VPN server				

Service type:	UDP	👄 ТСР
*Service port:		
*VPN subnet:		
*VPN netmask:		
Client access:	Home networ only	rk 💿 Internet and home network
		Cancel Save
	n	Cancel Save Export

9. WiFi

9.1 WiFi Status

 Displays key information such as WiFi SSID, Security, Connected devices, Gateway address, and Mac address. You can freely change your WiFi SSID for both 2.4GHz and 5GHz bands.

		Predator Connect X5		
🖻 Dashboard @ Game acceleration	WiFi status Basic setting	WiFi status		
닉 Quick setup	Advanced setting			
56 network	WIFI MAC filter	WIFI SSID:	X5-1160818-2.4GHz	Change
♥ WiFi	Guest WiFi	SSID broadcast:	Enabled	
lan		Security:	WPA2	
♣ Home network security ♣ System		Channel:	Auto(Channel 1)	
		Connected devices:		
		Gateway address:	19216811	
		MAC address:	c0:18:50:15:30:5c	
		WIFI SSID:	X5-11b0818-5GHz	Change
		SSID broadcast:	Enabled	
		Security:	WPA2	
		Channel:	Auto(Channel 36)	
		Connected devices:	14	
		Gateway address:	192.168.1.1	
		MAC address:	C0:18:50:15:30:5b	

9.2 Basic Setting

 Displays key information such as WiFi SSID, Security, Connected devices, Gateway address, and Mac address. You can freely change your WiFi SSID for both 2.4GHz and 5GHz bands.

Basic setting		
Setup basic WiFi parameters for 2.4G	Hz and 5GHz WiFi.	
WiFi 2.4GHz:		
*WiFi SSID:	X5-11b0818-2.4GHz	
SSID broadcast:	-	
Security:	WPA2	
	Disable	
Encryption:	WPA	
	WPA2	
*WiFi password:	WPA/WPA2	
	WPA3	
	WPA2/WPA3	
WiFi 5GHz:	-	
*WiFi SSID:	X5-11b0818-5GHz	
SSID broadcast:		
Security:	WPA2	~
Encruption:		

When changing the SSID name, there will be additional options made available for modification. Such as in the security field. You may be able to disable, or use the following security functions: WPA, WPA2, WPA/WPA2, WPA3, and WPA2/WPA3.

WiFi 2.4GHz:		
*WiFi SSID:	X5-11b0818-2.4GHz	
SSID broadcast:		
Security:	WPA2	
Encryption:	AES	
	Auto	
*WiFi password:	ТКІР	
	AES	

• Encryption options are AES, Auto, and TKIP.

9.3 Advance Settings

- When you first click the Advance setting button, you will be presented with a warning. It is important to note that any changes in the advanced setting could affect your connection and overall experience using the Predator Connect X5 5G CPE.
- Please click OK if you are sure to proceed to adjusting parameters within the advanced settings submenu.

 When you arrive at the Advanced Setting submenu, you will be provided various options to configure which channels you would like to be in, your 802.11 modes, AP isolation, and lastly configure what bandwidth you would prefer.

PREDATOR			
		Predator Connect X5	
🖻 Dashboard	WiFi status	Advanced settings	
(Game acceleration	Basic settings		
낙 Quick setup	Advanced settings	Setup advanced with parameters for 2-46Hz and So	nz wiel
🗟 5G network	WiFi MAC filter	2.4GHz	
⊕ WAN	WPS	Channel:	Auto
	Guest WiFi		
ଷ LAN		802.11 mode:	b/g/n/ax mixed V
Home network security		AP isolation:	
🖏 System			
		Bandwidth:	20MHz 🗸
		Channel	Auto
		802.11 mode:	a/n/ac/ax mixed 🗸 🗸
		AP Isolauon.	
		Bandwidth:	80MHz v
		DFS:	DFS Off DFS and Weather Radar Channels Off, no
			DFS On DFS Channels On, Weather Radar Channels off,
			DFS scanning only, 1 min scanning time.
			DFS/Weather Radar On DFS Channels On, Weather Radar Channels On, 1 min ± 10 min scanning time.
			Cancel Apply

• After you have configured your custom selections, please click apply.

9.4 WiFi MAC filter

• Devices will be blocked from accessing the Internet once they are added in the MAC filter list. Up to 32 devices can be added to this list.

Dashboard Game acceleration	WiFi status Basic setting					
≒ Quick setup	Advanced setting		e blocked from accessing added in the MAC filt	ng the Internet once they are added er table.		
🖬 5G network	WiFi MAC filter					
WAN	WPS					
	Guest WiFi	Status	Name	MAL address	Operation	
Q LAN						
🖇 Home network security						
∜ System						

(+) Add		
*Name:	e.g., ABC	
*MAC address:		
Status:		
	Cancel Apply	
		/

• When you have completed inputting the name and MAC address you would like to filter, please click apply.

9.5 WPS

• WPS or WiFi Protected Setup provides an easy way to connect your device to the network via pushing the WPS button or entering a PIN code.

🔄 Dashboard	WiFi status	WPS	
Game acceleration	Basic settings		
\≒ Quick setup	Advanced settings	WPS (WIF) Protected Setup) provides an WPS button or entering a PIN code.	easy way to connect your device to the network via pushing the
🖬 5G network	WiFi MAC filter	2.4GHz	
⊕ WAN	WPS		
≈ WiFi	Guest WiFi	WPS:	
ଷ LAN		Method 1:	Using a PIN
% Home network security			
🗞 System			Client's PIN Router's PIN
			Enter your wireless device's PIN here and click Connect
			Connect
		Method 2:	Click the button below
			Click the button below, then enable WPS on your wireless device within 2 minutes.
			Start WPS
		WPS:	
		Method 1:	Using a PIN
			💿 Client's PIN 🗼 Router's PIN
			Enter your wireless device's PIN here and click Connect
			Connect
		Method 2:	Click the button below
			Click the button below, then enable WPS on your wireless device within 2 minutes.
			Start WPS
		Note: Using method 1 or method 2 to connect minutes. With method 1 you can enter y on your personal device. WPS will be disabled if WiFi is set to WF	: a wireless device to the Predator Connect XS SSID via WPS within 2 our personal client's PIN and click 'Connect', or enter the router's PIN PA3, WPA or TKIP mode, or if SSID broadcast is turned off.

 Using method 1 or method 2 to connect a wireless device to the Predator Connect X5 SSID via WPS within 2 minutes. With method 1 you can enter your personal client's PIN and click 'Connect', or enter the router's PIN on your personal device.

WPS will be disabled if WiFi is set to WPA3 or TKIP mode, or if SSID broadcast is turned off.

9.6 Guest WiFi

•

• You may also provide Internet Connection for guests, but access to devices on your network. Choose to enable between 2.4GHz and 5GHz bands for your guests.

3 Dashboard	WiFi status			
Game acceleration	Basic setting			
R Quick setup	Advanced setting			
	WPS	Guest WiFi 2.4GHz	-	
	Guest WiFi			
LAN				
Home network security				
s System		Guest WIFI 5GHz:	-	
				Caprel

10 LAN Status

10.1 Here, you can easily see your connected status, IP address, MAC address and DHCP server. The Predator Connect X5 has 3 possible LAN ports. LAN3 is usually designated as WAN.

PREDATOR				
		Predator Connect X5		
🗉 Dashboard	LAN status	LAN status		
@ Game acceleration	LAN setting			
넉 Quick setup				
🖬 5G network		Connect status:	Switched to WAN	
⊕ WAN				
ବ WiFi				
Home network security		Connect status:	Disconnected	
& System				
		1P auditess.		
		MAC address:		
		DHCP server:		
		Connect status:	Disconnected	
		IP address:		
		MAC address:		
		DHCP server:		

W PREDATOR			
		Predator Connect X	
🖻 Dashboard	LAN status	LAN setting	
약 Game acceleration 넉 Quick setup	LAN setting	Setup LAN IP address and D	HCP server parameters.
5G network		* Gateway address:	19216811
⊕ WiFi		* Subnet mask:	2552552550
LAN Home petwork security		DHCP server:	-
& System		* Start IP address:	192.168.1.2
		* End IP address:	1921681254
		DHCP lease time:	
			Cancel Apply

10.2 In the LAN Setting, further configuration can be done here.

11. Home Network Security

11.1

Powered by TrendMicro, Malicious website blocking can prevent you from visiting malicious websites thereby protecting your computers from being infected with Trojans or being exploited unknowingly. Trend Micro's Web Reputation Services (WRS) can helps you identify malicious URLs.

11.2

Network attack blocking can help prevent the exploitation of a known vulnerability even when the vulnerable systems/devices have not yet been installed with security patches. It can also detect the infected device and block its network behavior to prevent infection to other devices.

🗉 Dashboard	Malicious site blocking	Network attack blocking
(> Game acceleration	Network attack blocking	
넎 Quick setup	IoT security protection	Network attack blocking can help prevent the exploitation of a known vulnerability even when the vulnerable systems/devices have not yet been installed with security patches. It can also detect the infected device and
🖬 5G network	Parental control	
⊕ WAN		
奈 WiFi		Security engine:
∕⊗ LAN		Note: Turn off the Security engine, you can turn off Malicious sites blocking. Network attack blocking and IoT
% Home network security		Security protection functions at one same time.
& System		Enable protection:

11.3

IoT security protection can detect and block harmful connections from compromised IoT devices by using Trend Micro's Smart Protection Network, a continuously updated IoT device reputation database.

Dashboard	Malicious site blocking	IoT security protection
ে Game acceleration ২২ Quick setup	Network attack blocking IoT security protection	IoT security protection can detect and block harmful connections from compromised IoT devices by using Trend Micro's Smart Protection Network, a continuously updated IoT device reputation database.
5G network	Parental control	
⊕ WAN		Security engine:
ଷ LAN		
👒 Home network security		Powered by Enable protection:
र् System		
		Protection Ste 12-01-022 02340

11.4 Parental Control allows you to block unwanted websites on specifically devices.

Quick setup IoT security protection Parental control Parental control device list: WAN WiFi LAN Home network security System Ide and the set of the se	E Dashboard Game acceleration	Malicious sites blocking Network attack blocking	
SG network Parental control WAN Parental control device list: WiFi LAN Home network security Device name System Note: 1. Apps are unable to be blocked; parental control can orly manage website URLs or URL keywords. S. Bferer blocked URLs. take effect. This setting may appear but on the URLs or URL keywords.	≓ Quick setup	IoT security protection	
WAN WiFi + LAN Device name MAC address LRL Internet access limit Status Operation Home network security System Note: 1. Apps are unable to be blocked; parental control can only manage website URLs or URL keywords. 2. Before blocked URLs take effect. This setting may ask you to clear the DNS cache on the devices.	3 5G network	Parental control	Parental control device list:
Wil-I Device name MAC address URL Internet access limit time Status Operation Home network security Note: 1. Apps are unable to be blocked; parental control can only manage website URLs or URL keywords. 2. Before blocked URLs take effect. This setting may ask you to clear the DNS cache on the devices.			+
Device name MAC address URL Device name Status Operation Home network security System Note:	r wifi 6 I AN		Tetranet source Fait
System Note: 1. Apps are unable to be blocked; parental control can only manage website URLs or URL keywords. 2. Before blocked URLs take effect. This setting may ask you to clear the DNS cache on the devices.	Home network security		Device name MAC address URL. Internet access innet. Status Operation time
	🖏 System		Note: 1. Apps are unable to be blocked; parental control can only manage website URLs or URL keywords. 2. Before blocked URLs take effect. This setting may ask you to clear the DNS cache on the devices.

12. Setting

12.1 Login Password

• Change the password of your Predator Connect X5, use a strong password to keep it secure.

Dashboard Dashboard Game acceleration Game accele	
Dashboard Login password Cogin password Change the password of your Predator Connect Quick setup Languages Schetwork Backup & restore "Current password:	
Implashoord Login password © Game acceleration Sustem time Unick setup Languages © SG network Backup & restore	
(*) Game acceleration System time Id Quick setup Languages Id 5G network Backup & restore	t XS, use a strong password to keep it secure.
역 Quick setup Languages and a SG network Backup Brestore *Current password:	
SG network Backup & restore *Current password:	
Current publicity	
WAN System information p	
WIFi Reset 6 restart	
& LAN Firmware update	
Home network security Antenna switch "Confirm password:	0
System System logs	
USB storage	Cancel Apply
Logout	

12.2 System Time

 This allows device to synchronize the system time to the time zone selected. When daylight savings time setting is ON, device will automatically adjust the daylight saving system time according to the time zone.

Dashboard	Login password	Sustem time	
^a Game acceleration	System time	Systemane	
a Quick setup	Languages		
3 5G network	Backup & restore		
€ WAN	System information	Automatically set time zone:	
[⊳] WiFi	Reset & restart		
A LAN	Firmware update	Automatically adjust to daylight s	aving time:
Home network security	Antenna switch	Time zone:	(UTC+08:00) Taipei 🗸 🗸 🗸
	System logs	Current date and time	20-09-2021 13-51-21
	USB storage	Contraine Groce Groce Groce	
	Logout		Cancel Applu

12.3Language

Set the language of your Predator Connect X5.

🛿 Dashboard	Login password			
Game acceleration	System time			
l Quick setup	Languages	Set the language of your Pr		
5G network	Backup & restore	English	Italiano	
9 WAN	System information	crigan,		
[⊳] WiFi	Reset & restart	● 繁體中文	Español	
A LAN	Firmware update	Oeutsche	Polski	
Home network security	Antenna switch			
	System logs	Français		
	USB storage			
	Logout			Cancel Apply

12.4 Backup and restore

- •
- Backup your custom device settings. Reverts your device to original factory settings.

🗄 Dashboard	Login password				
Game acceleration	System time	How to save the configuration: Click Badap to backup current device configuration. On both Windows and MAC OS, this is saved to your 'Downloads' folder. How to restore the configuration: 1) Click Browse to select a file 2) Click Parstore.			
🗧 Quick setup	Languages			this is saved to your	
3 5G network	Backup & restore				
) WAN	System information				
₹ WiFi	Reset & restart				
a LAN	Firmware update				
A Home network security	Antenna switch	Backup:	Backup current device settings		Backup
	System logs	Restore:		Browse	Restore
	USB storage				
	Logout				

12.5 System Information

- Shows key device information such as
 - A. Device Name
 - B. IMEI
 - C. Serial Number
 - D. Software Version

Dashboard Login password Sustem time 적 Quick setup Languages So network Backup & restore	Predator Connect X5	
III Dashboard Login password 약 Game acceleration System time 역 Quick setup Languages 데 5G network Backup & restore	System information	
	Device name:	Predator Connect X5
WAN System information WIFI Reset 6 restart LAN Firmware update	IMEI: My number:	350188000014687
Home network security Anterna switch System logs	Serial number: Software version:	С53MAC1243H4800F XSVI.041,133308D
Logout		

12.6 Reset & restart

• Click Restart to reboot the device and click Reset to restore factory default settings.

I carrie acceler accel System une I Quick setup Languages Click Restart to reboot the device and click Reset to restore factory default settings G 5G network Badaup 6 restore WAN System information	
SG network Backup & restore WAN Suptem information	
WAN System information	
WiFi Reset & restart Factory data reset Reset	
& LAN Firmware update	
Antenna switch	
System System logs	
USB storage	
Logout	

12.7 Firmware update

• Click Check new for updates. Your router will check if there is an update available. If one is found, you may click Download. Once the file has downloaded successfully you will be able to click Update.

Dashboard	Login password			
Game acceleration	System time			
Quick setup	Languages			
5G network	Backup & restore			
WAN	System information	Current version :	X5.V1.041.133308D	Check new!
WiFi	Reset & restart			
LAN	Firmware update	Note: Do not power off your Predat		
Home network security	Antenna switch			
	System logs			
	USB storage			
	Logout			

12.8 Antenna switch

 Set to Internal to use the inbuilt antenna. Set to External to connect a compatible external antenna to Predator Connect X5 via the LTE TS9 connectors.

I Dashboard Login password © Game acceleration System time © Quick setup Languages I SG network Badup 6 restore © WAN System information © WiFi Reset 6 restart A LAN Firmware update > Home network security Anterna switch > System System logs USB storage Logut	Antenna switch Set to Internal to use the inbalt anterna. Set to External to Predator Connect XS via the LTE SMA connectors. Antenna: Thermal	o connect a compatible external antenna to External Cancel Apply

12.9 System logs

The system log will save the last 100 activities.

🗏 Dashboard	Login password	nd Sustem loas			
C Game acceleration	System time	Jystem logs			
닉 Quick setup	Languages				
🗟 5G network	Backup & restore	Time	Event		
@ WAN	System information	Imp	Event		
≑ WiFi	Reset & restart		Login successful from 192.168.1.97, 80:32:53:74:2E:00, TWTPEN1601105.		
ର LAN	Firmware update	20.00 2021 12:42:20	Login successful from 192.168.1.97, 80:32:53:74:2E:D0,		
Home network security	Antenna switch	20082021134220	TWTPENI601105.		
	System logs	20.08.2021 09:46:23	Login successful from 1921681.97, 80:32:53:74:2E:D0, TWTPEN1601105.		
	USB storage	20.082021.093613	Login successful from 1921681159		
	Logout				
		20.082021 00:24:15	Predator Connect X5 started.		
		20.082021 00.0218	Predator Connect X5 started.		
		19.08.2021 17:28:29	Login successful from 1921681.159.		
		19082021 16:3312	Predator Connect X5 started		

12.10 USB storage

 Plug in USB dongle on Predator Connect X5 and allow all users connected to your network access rights to the file folders in your USB Dongle.

a 545/1000/41	Login password		
Game acceleration	System time		
Quick setup	Languages		
35G network	Backup & restore		
WAN	System information	Type:	USB FLASH DRIVE
WIFI	Reset & restart		
LAN	Firmware update	Total size:	28.96
Home network security	Antenna switch	Space free:	1406
	System logs		
	USB storage	Sharing setting	
	Logout	Sharing secong	
		*Server name:	
		"User name:	admin
		*Password:	
		Network neighborhood (Samba):	-
			Cancol Apoly

To access the USB storage from PC, you can type $\underline{\192.168.76.1}$ into the address column of the file manager.

🐂 📝 🔚 🖛 File I	Explorer				
File Home	Share View				
Pin to Quick Copy H access Clip	↓ Cut Paste Copy path Paste shortcut Move to * Delete Rename Organize				
< > * 🛧 🛤	\\192.168.76.1				
📌 Quick access	> Frequent folders (8)				
📃 Desktop	* > Recent files (20)				
👆 Downloads	*				
🖹 Documents 🖈					
I I I I I I I I I I I I I I I I I I I	5.1 e View				
Pin to Quick Copy Paste	Cut Copy path Nove Copy Delete Rename New				
access	Paste shortcut to v to v v folder				
	letwork > 192168761 >				
	etwork / 152.100.70.1 /				
📌 Quick access 🛄 Desktop 🛛 🖈	adata Predator				
🕹 Downloads 🛛 🖈					
🚆 Documents 🛛 🖈					
📰 Pictures 🛛 🖈					
04_PowerPoint_Ten	r				

12.11 Logout

• Once you push this button, you will be instantly logged out. To reenter the Predator Connect Webpage, you will need to input login credentials and password.

13. Predator Connect APP

13.1 Download Predator App from App store or Google Play

13.2 Register account

New users will need to register new accounts if this is their first time logging into the Predator Connect App.

13.3 Quick setup

Run quick setup to help the X5 connect to internet. Follow the quick setup instructions you see on the Predator Connect App. Scan the QR code to quickly apply your X5's unique WiFi SSID, WiFi password and Admin password.

13.4 Device Binding

- After quick setup, you will need to bind your device to your Predator APP's linked email account.
- The App allow user to bind multiple devices to an account. In the Predator APP, you can check "Bind List" to see the devices in your account.

14. Regulatory Information

14.1 Important Safety Precaution

Your Predator Connect X5 5G CPE device is manufactured to comply with European safety standards. This section outlines the safety precautions associated with using the device. Please read the safety and operation instructions before using your device and other accessories. Keep these instructions safe for future reference.

14.2 Condition of Use

The device is not water-resistant. Please protect the device from water or moisture and do not touch the device with wet hands. Otherwise short-circuit and malfunction of the product or electric shock may occur.

Keep the device and accessories in a cool, well- ventilated area and away from direct sunlight. Do not place the device in a container with poor heat

dissipation. Do not enclose or cover your device with clothes, towels, or other objects.

Put your device in places beyond the reach of children. Do not allow children to use the wireless device without guidance.

Do not use your device at places for medical treatment (in an operating room, intensive care unit, or coronary care unit, etc.) where wireless device use is prohibited.

To reduce the risk of accidents, do not use your device while driving. RF signals may affect the electronic systems of motor vehicles. For more information, consult the vehicle manufacturer.

Acer recommends using the charger supplied with your device. Use of another type of charger may result in malfunction and/or danger.

14.3 Cleaning and Maintenance

Do not attempt to dry your device with an external heat source, such as a microwave oven or hair dryer.

Use a clean, soft, and dry cloth to clean the device and accessories.

14.4 Disposal Instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit

www.acer-group.com/public/Sustainability

14.5 Ethernet Cable Line Safety

Disconnect all Ethernet cable lines from the equipment when not in use and/or before servicing.

To avoid the remote risk of electric shock from lightning, do not connect the Ethernet cable line to this equipment during lightning or thunderstorms.

14.6 Medical Devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF transmissions. Pacemakers. Pacemaker manufacturers recommend that a minimum separation of 15.3 centimeters (6 inches) be maintained between wireless devices and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:

Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker

Not carry the device near you pacemaker when the device is switched on. If you suspect interference, switch off your device, and move it.

Hearing aids. Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

14.7 Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (anti-lock) braking systems, electronic speed control systems, and air bag systems. For more information, check with the manufacturer, or its representative, of your vehicle or any equipment that has been added. Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is

improperly installed, and the air bag inflates, serious injury could result. Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless devices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

14.8 Warning

Do not attempt to open the device by yourself. Disassembling may result in damage to the device. Small parts may also present a choking hazard. When this device is switched on, it should be kept at least 15 cm from any medical device such as a pacemaker, a hearing aid or insulin pump, etc. Switch this device off when you are near gas or flammable liquids. Strictly obey all signs and instructions posted in any potentially explosive atmosphere.

14.9 Explosive Device Proximity Warning

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders. Do not switch the notebook on when wireless phone use is prohibited or when it may cause interference or danger.

Warning: Do not operate a portable transmitter (including this wireless adapter device) near unshielded blasting caps or in an explosive environment unless the transmitter has been modified to be qualifies for such use. Warning: The wireless adapter is not designed for use with high-gain directional antennas

14.10 Wireless adapter regulatory information

Warning: For safety reasons, turn off all wireless or radio transmitting devices when using your device under the following conditions.

Remember to follow any special regulations in force in any area, and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. This device meets RF exposure guidelines when used normally. To successfully transmit data files or messages, this device requires a good quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Parts of the device are magnetic. Metallic materials may be attracted to the device, and persons with hearing aids should not hold the device to the ear with the hearing aid. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Aircraft

Warning FCC and FAA regulations may prohibit airborne operation of radiofrequency wireless devices (wireless adapters) because their signals could interfere with critical aircraft instruments. Ask the airport staff and cabin crew before turning on your device's wireless adapter whilst on board. The wireless adapter and your health

The wireless adapter, like other radio devices, emits radio frequency electromagnetic energy. The level of energy emitted by the wireless adapter, however, is less than the electromagnetic energy emitted by other wireless devices such as mobile phones. The wireless adapter operates within the guidelines found in radio frequency safety standards and recommendations. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature. In some situations or environments, the use of the wireless adapter may be restricted by the proprietor of the building or responsible representatives of the applicable organization. Examples of such situations may include:

• Using the wireless adapter on board airplanes, or

• Using the wireless adapter in any other environment where the risk of interference with other devices or services is perceived or identified as being harmful.

If you are uncertain of the policy that applies to the use of wireless adapters in a specific organization or environment (an airport, for example), you are encouraged to ask for authorization to use the adapter before you turn it on.

14.11 EU Regulatory Conformance

List of applicable countries

This product must be used in strict accordance with the regulations and constraints in the country of use. For further information, contact the local office in the country of use. Please see https://europa.eu/ european-union/about-eu/countries_en for the latest country list.

Specific absorption rate information

This device meets the EU requirements on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/kg averaged over 10 grams of body tissue. The MPE was calculated at 20 CM to show compliance with the power density limit. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP). For body worn operation, this device has been tested and meets the ICNIRP exposure guidelines and the European Standard, for use with dedicated accessories. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

Hereby, Acer Inc. declares that the radio equipment type XXXXXX is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available: Please search for Predator Connect X5 5G CPE at <u>www.acer.com</u>

14.12 Duty Cycle Attestation

5G MiFi UE (User Equipment) will operate on its 5G network with a configuration of 1:1 DL:UL ratio, i.e. The highest uplink duty cycle is 50% for NR n78 band for the lifetime of this device.

14.13 Restrictions

Operations in the 5.15–5.35GHz band are restricted to indoor usage only.

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK (NI)
IS	LI	NO	СН	TR		

Frequency range (MHz)	Max power in the range (dBm)
B1 (1920 – 1980)	25
B3 (1710 – 1785)	25
B5 (824 – 849)	25
B7 (2500 – 2570)	25
B8 (880- 915)	25
B20 (832- 862)	25
B28 (703 - 748)	25
B38 (2570 – 2620)	25
B39 (1880 – 1920)	25
B40 (2300 – 2400)	25
B41 (2496 - 2690)	27
B42 (3400 - 3600)	25
B46 (5150 – 5925)	25
nl (1920 – 1980)	25
n3 (1710 – 1785)	25
n7 (2500 – 2570)	25
n8 (880– 915)	25
n20 (832- 862)	25
n28 (703 - 748)	25
n38 (2570 - 2620)	25
n39 (1880 - 1920)	25
n40 (2300 – 2400)	25
n41 (2496 - 2690)	27
n77 (3300 – 4200)	25
n78 (3300 – 3800)	27
n79 (4400 – 5000)	27
Wi-Fi 2.4G (E.I.R.P)	20
Wi-Fi 5G (E.I.R.P)	27

14.14 EU Regulatory Compliance – Radio

14.15 Power Supply Unit Information

Model Identifier	Predator X5 Adaptor
Input Voltage	AC 100 - 240V
Input AC Frequency	50/60Hz
Output Voltage	DC 12V
Output Current	2.0A
Output Power	24.0W

15. Limited Warranty

The product is covered by a limited warranty. Please check the warranty booklet inside the product package for details.