

Tooway standard packages



- > **Package for fix terminal**, after installation a terminal is supposed to not move
- > Any terminal location change will require a new installation process without activation of the service

Standard packages	tooway 6	tooway 8	tooway 10	tooway 10+
Max download, Kbps <small>Speed on the second generation surf-beam technology or 4096 Kbps on the actual generation</small>	6144	8192	10240	
Max upload, Kbps <small>Speed on the second generation surf-beam technology or 512 Kbps on the actual generation</small>	1024	2048		4096
Dynamic private IP address to CPE at KA-SAT OSD National IP address NATing end 2011 (RIPE declaration) • To access internet (not reachable from internet) • For VoIP as an option (only all SIP incoming connections allowed, only SIP outgoing connection to distributor VoIP GW allowed)	1 1	1 1	2 1	4 1
4 Week aggregated volume consumption, GB (*)	4	8	13	25

(*) The volume is aggregated on the following way : $V = V_{\text{Download}} + V_{\text{Upload}}$

When the subscriber volume passes the 4week volume threshold, the end user will experience lower speed (maximum 64kbps download / 16Kbps upload for all the packages with low priority) and only FTP, HTTP, POP3/SMTP, IMAP and DNS on UDP will be guaranteed.

During the night from 11PM till 5AM (GMT) only 50% of the volume is taken into account

A volume booster system allows the user being FAPed or exceeding the contractual volume to order additional volume.

Communication between user terminals is not allowed.

Skylogic has the right to block incoming/outcoming connection in case of force majeure to preserve service integrity.

SLA 99.5%, GTA ≤1h - 6AM/10PM GMT - 5/7, GTR ≤ 8h - 24/7

KA-SAT Tooway FAP definition



- > Same mechanism between pre KA-SAT and KA-SAT FAP **BUT** with higher thresholds and higher speeds...
- > Easy (and NEW) formula to communicate on the aggregated volume consumption

$$V = V_{\text{Download}} + V_{\text{Upload}}$$

- > Some restriction:
 - **Peak rate** limited to 64kbps download / 16Kbps upload for all the packages with low priority (not guaranteed) when exceeding the 4week volume threshold
 - **Possible protocol limitation** if exceeding the 4week volume (FTP, HTTP, POP3/SMTP, IMAP and DNS on UDP only will be guaranteed)
 - **Skylogic has the right to block incoming/outcoming connection** in case of force majeure (attack, virus...)
- > Same flexibility:
 - In standard packages the **volume consumed** during the night will be **accounted 50% during night time** (11PM-05AM GMT)
 - Possibility to activate **Volume booster** to come back to nominal service peak rate
 - **Not any traffic prioritization** or limitation when a terminal is not in the last FAPed sliding window
- > FAP mechanism implementation in standard package is under the responsibility of Skylogic and could be updated, modified, improved under Skylogic decision and with notice to distributors (excepted for operational issue). For customized packages, the FAP is under the control of the distributor and will be modified on distributor request

KA-SAT Tooway FAP definition

FAP description	tooway 6	
	V _{eq} GB	Throughput Kbps (dwn/up)
NO FAP	-	6144 / 1024
1h sliding window	0.5	1024 / 256
4h sliding window	1	512 / 128
1w sliding window	2	256 / 64
4W sliding window	4	64 / 16

FAP description	tooway 10	
	V _{eq} GB	Throughput Kbps (dwn/up)
NO FAP	-	10240 / 2048
1h sliding window	1.5	2048 / 512
4h sliding window	3	512 / 128
1w sliding window	6	256 / 64
4W sliding window	13	64 / 16

FAP description	tooway 8	
	V _{eq} GB	Throughput Kbps (dwn/up)
NO FAP	-	8192 / 2048
1h sliding window	1	2048 / 512
4h sliding window	2	512 / 128
1w sliding window	4	256 / 64
4W sliding window	8	64 / 16

FAP description	tooway 10+	
	V _{eq} GB	Throughput Kbps (dwn/up)
NO FAP	-	10240 / 4096
1h sliding window	3	4096 / 1024
1d sliding window	6	512 / 256
1w sliding window	12	256 / 64
4W sliding window	25	64 / 16