TS0011 – How many templates (users) can one device contain?

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The following table describes the user data capacities of Suprema models. When you calculate how many users you can store in your device, you need to take into account that two templates are required for one fingerprint.

For instance, you have BioStation T2, where 5,000 users are stored with two fingerprints registered for each user. This means that the user data amounts to 20,000 templates (5,000 * 2 * 2). According to the table below, you can store 20,000 templates when the device is in 1:N mode and 400,000 templates when it is in 1:1 mode. Therefore, you cannot add any more users to the device when it is in 1:N mode. You need to change the fingerprint authentication mode to 1:1 in order to add more users. When it is in 1:1 mode, you can add 47,500 users with four fingerprints to the device.

The formula to calculate the total number of templates is as follows:

No. of users * No. of fingerprints registered for each user * 2 = No. of templates.

	FaceStation	BioStation T2	D-Station	BioStation	BioEntry W	BioEntry Plus	BioLite Net	BioLite Solo
Template Capacity		400,000(1:1) 20,000(1:N)	400,000(1:1) 20,000(1:N)	400,000(1:1) 20,000(1:N)	10,000(1:N)	10,000(1:N)	10,000(1:N)	800(1:N)
Max. User	10,000(1:1) 1,000(1:N)	200,000	200,000	200,000	5,000	5,000	5,000	200
Max. the number of finger/face per 1 user	5 Pose	10 fingers	10 fingers	5 fingers	2 fingers	2 fingers	2 fingers	2 fingers

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	X-Station	Xpass	Xpass Slim
Max. User	10,000	200,000	200,000

The maximum user number for FaceStation is based on the assumption that one user registers one posture. You can register up to five postures for one user. In that case, you need to divide the number of users by the number of postures registered for one user.