My minimum requirements for a password replacement system:	
MEMORYLESS	Users should not have to memorize any secrets
SCALABLE	Scalable to thousands of apps
SECURE	At least as secure as passwords
Additional requirements if token-based:	
Loss-Resistant	If token lost, user can regain access to services
THEFT-RESISTANT	If token stolen, thief can't impersonate user
Benefits promised by Pico in addition to the above:	
(Usability-related)	
Works-For-All	Works for all credentials, not just web passwords
From-Anywhere	The user can authenticate from any client
No-Search	The user doesn't have to select the correct credentials
No-Typing	The user no longer has to type the damn password
Continuous	Authentication is continuous, not just at session start
(Security-related)	
No-WEAK	The user cannot choose a weak password
$\mathbf{No} ext{-}\mathbf{Reuse}$	The user cannot reuse credentials with different apps
No-Phishing	Phishing (app impersonation) is impossible
No-Eavesdropping	Network eavesdropping is impossible
No-Keylogging	Keylogging is impossible
No-Surfing	Shoulder surfing is impossible
No-Linkage	Different credentials from same user can't be linked
Additional desirable properties that are not goals for Pico:	
No-Cost	As cheap to deploy as passwords
No-App-Changes	Deployable without changes to existing apps
No-Cli-Changes	Deployable without changes to existing clients
Also worth considering for a fair comparison:	
IMPLEMENTED	This system was built, rather than just described
OPEN	The code and design are available as open-source
WIDELY-USED	Has been used by over a million individuals
No-Carry	Does not require the user to carry anything
No-TTP	No reliance on a TTP who knows your credentials