

Processing speed of authentication on server

1:1 Authentication

Mode	Communication data size	Average processing time
Normal mode	1,866 byte	0.000570 sec (570 μ s)
Light mode	986 byte	0.000526 sec (526 μ s)
Ultra Light mode	394 byte	0.000450 sec (450 μ s)

1:N Authentication

Number of N	Mode	Average processing time
1:100	Normal mode	0.132 sec (132 ms)
	Light mode	0.074 sec (74 ms)
	Ultra Light mode	0.018 sec (18 ms)
1:500	Normal mode	0.523 sec (523 ms)
	Light mode	0.289 sec (289 ms)
	Ultra Light mode	0.116 sec (116 ms)
1:1000	Normal mode	0.950 sec (950 ms)
	Light mode	0.537 sec (537 ms)
	Ultra Light mode	0.228 sec (228 ms)



System specifications used for measurement

OS: Windows Server 2012 R2
CPU: Intel Core i7-2600 3.40GHz
RAM: 4.00GB
1:1 Authentication – 1 thread
1:N Authentication – 2 threads

* All results were obtained by genuine matching only.