Format is as follows.
p prime value
q prime value
e coprime value constant set to 307

All timings are in miliseconds.

1. KEY SIZE: 40
51607342168733122729

29721111015894753089

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	2	21	21	2
Encryption	9	421	417	19
Decryption	166	4199	N/A	320

2. KEY SIZE: 60
270829151403165362263353014441

862699783256371538247782181241

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	2	30	29	2
Encryption	19	858	N/A	38
Decryption	478	22063	N/A	964

3. KEY SIZE: 80
3355742264777942619007360619874091502729

3346855342101636770171551746108571583689

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	3	42	41	4
Encryption	35	1418	N/A	64
Decryption	1178	50159	N/A	2235

4. KEY SIZE: 100
4425614736264863559118075971490188035208456853141441

5982528406529447180393438530812157345306733070700487

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	3	50	49	4
Encryption	48	2056	N/A	91
Decryption	2255	99801	N/A	4377

5. KEY SIZE: 120
7764611176784625013944270234948853969519615229854022340046567

3002756240458581292884707844487015644923181327902539556042107

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	4	61		4
Encryption	57	2792		123
Decryption	3308	162051		7074

6. KEY SIZE: 140
9932139943339554751655031442828579353277196020045387852012083330216751

7104411554778760027250011387254928276716637756917863968861551676876553

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	4	71		5
Encryption	66	3431		150
Decryption	4653	248167		N/A

6. KEY SIZE: 155 (RSA - 512)
73876994494307542360607835849776308028761548518813298873221350532322237104687

321538625144835508338276064648892293814103155617777116608040141481480882702241

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	3	75		5
Encryption	75	4101		179
Decryption	5862	331241		N/A

7. KEY SIZE: 160
15436701471534901110511656846498037568773674524990940562313325142387499042385671

25447465335187775067515713265705508118414169952767988586091362514874537708120761

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	5	87		6
Encryption	100	4397		194
Decryption	8426	381352		N/A

8. KEY SIZE: 180
253947395212197736207978572291090479087443193463601263538541413339303051755292167646466123

549797916873259806228045270606100249518474464256909871531530675844206233894767403814042841

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6	97		6
Encryption	122	5433		241
Decryption	12143	549575		N/A

9. KEY SIZE: 200
1075535819668131606442156051661324989387508263477986114466910162445618364409504011876641760556751119

1785793487037785182943636403877554073651868258941964422327180733125444771076458070002870484662366447

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6	105		7
Encryption	133	6328		277
Decryption	14813	725480		N/A

10. KEY SIZE: 220
47616175312520248170724492168534805801971521103173398823349171275495836845015735958370549814437534497091729883

27809831917510368299476959744530807001167772977973557734379833335973649629314463720953256524333666961538996927

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	5	115		6
Encryption	151	7559		309

| Decryption | 18718 | 959445 | | N/A |

11. KEY SIZE: 240

5707187805391015781433459782245953251543677492961598196226860678801203875593103211450805375603363424468785
52852264760497

1471041692621559696799830224729296492179181763244686869730927472539896187614624100290776991086723101584244
18017640784307

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6	127		7
Encryption	164	8534		373
Decryption	22392	1195498		N/A

12. KEY SIZE: 260

5657362360309792378477442888249132305673293039014222150501463362089251705199913401487803331497168777619166
2148355600156068073628

2622934107986876601709014845792876682461424365396137510835048380889091142608310562448832904640216722021525
178089951173864498931513

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6	137		8
Encryption	182	10009		431
Decryption	27397	N/A		N/A

13. KEY SIZE: 280

2899277796946005588147076173443077485306403501416604782116900442309191574036115401060817173545374995019735
425628127770481170488770370322711

6743879451514673021726558397960269383214044878366258917994162419553411535320472150692333437951734024383163
584912542336880026789823939073897

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6			9
Encryption	198			483
Decryption	33656			N/A

14. KEY SIZE: 300

6210759005357798540726782313225094761183429757169786049681410339229515201816293244882055595668920218156289
877850122771169336732376147927246291209603113

2258373598554802319559452200654230495458469865777686860448114456839596488045813414261952782611213812598589
0123062092361418140592705763737221628274725

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	6			9
Encryption	212			535
Decryption	38497			N/A

15. KEY SIZE: 309 (RSA 1024)

3416909052918180497550905694643916286519531689854706171322327403487325917439813181056801364920719404289765
359021343875089927863102136272364027135816456601

6480748263904619031680260331936564669623869952492469641161930262856628003360317687993928982065215349138700
631936521201127616864444987232349342262924810817

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	7			10

Encryption	222			558
Decryption	41682			N/A

16. KEY SIZE: 320
6241082735791936836172095927929954201360273404054026606382110769891543907140542497515304376064406891807949926381688969558851741659428246115855133876206991555299

8745471017094931894331538767810193207774613587574240097762386487178734211710539126308210942592235422383842270515699586910546722067981958562848449918163734067489

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	10			
Encryption	310			
Decryption	62494			

17. KEY SIZE: 340
8904982201600812405290711454246320674991037776290536225036251036956183848926970303728982486382094085192429820351077648983341503933013156840518173417836993630923229803734373

8332110688551240936297510280770123031098371193861828994297256358235553245300877367048024890258907483160256606126337389507587870677261955007218007868074240329056114933122933

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	11			
Encryption	344			
Decryption	74225			

18. KEY SIZE: 360
495421976138967860260941617619696112694544001857590315098104285432122368750920355165003340555599476189313669767040909381450671761428364592821899997453959509499621414056516173605079

716266447135265738535165700275611296296402084428668110397621605272526695358408815041133688163086956026125600728073164226016319953682112709790062785797684194215802370724983813908451

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	12			
Encryption	365			
Decryption	83056			

19. ///KEY SIZE : 380
4371070165053584991102224743881219476733515212348961858326370616788647390987077152620897841436695848306915128383227999993865081269390583918752847383083649451933164490375171866900236518478553

7545158553050088246213045212591828926359817093765121858954423216900943447692605177770574186674124442939729355098324278414795399689758833096194357272509182796469317310109361086497651872838303

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	11			
Encryption	393			
Decryption	94298			

20. KEY SIZE : 400
4009296603399942823026971823223865263912948692726328443615405627990297219446924410805392604959562751554242993006492645704323168544284075872336514928765422716283956354247841168516719966882983372771553730

82100294145996584148666222271930646118943752171081761585424776100724302962624100544127150339397025852211719695279694773186897087186831962978566423469588586454999755940899499658749983709700772208770079

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266

Key Generation	12			
Encryption	417			
Decryption	109358			

21. KEY SIZE: 420
96675265830014173806930030674597547330894039719388841679788392678224221903684750132181882312409120985853825
24247684008703789386808403709730377420125447698637193436082133081419042512656311137817619126115216213 61

572983226520069951933785922604596482092288054415854038460653504338126721448702089049369153294753753465865 33
69275754852834872049244344435191879246801543977295120324621325169157045656733154860666515992182300505873

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	12			
Encryption	433			
Decryption	119580			

22. KEY SIZE : 440
68708147082049304770087906451008168844900603469777574482210275717421702699840257178293826606203957428190735
42846895604197259471448549574472236779242928367614564783588390307458425965120262262056463099160045298257051
835067

67032152854775882450742365103844436797298103458646370164712817905214236986138672066871899998573882035482003
63835270682720803756575555282710434861656247052226379608637853534735264067218781075322999813804752671700731
165713

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	13			
Encryption	453			
Decryption	133670			

23. KEY SIZE : 460
51045961239941554301812433870341797863646847983841659602031788381437308382314627120882997460753625646234578
31017167543863346668329762844601677786866051553083578871531995470681679855704887801460862651492171715909693
8980554598360273

41516767383554086436854984251146824792884893739976263698865574908455709614449927978989731163644921768458216 5
61985621250636833288203802342447022521095385050936746308446732075135157179264100121926958586139105552950032 8
6675789548709431

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	13			
Encryption	484			
Decryption	147810			

24. KEY SIZE : 480
13409567945402929503017965025548130826448050230293632339888579404891247684464167901664298813479454593146760
59424957650624562075696809141438798394576616482327719072061517572558209958022636148631576306401279014409932
75077816842531289520416337

75868765599392367354379981596680213515952023876102165395432941437374627757142798345958031655326659168204438
50905187083480502777382894582848137674659007398847047852111080565997366241062480500180040951417850475145431
59258368276390677055860761

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	13			
Encryption	513			
Decryption	164162			

25. KEY SIZE: 500
774509125723770871848950798035907476265274681581258872647147033718931697756589823211260189062388938168583149
302258028380953950425133199599946326065678669428843306086193845190055868030125829772157159353509064829603206
310515125974887401174961460349717769

687306862071623787329086738355812941844300928932189045322445150617211653969424783601689332691380479514756263
203395882368096575725157644452351473599820916075271387408785739231050683979973719286166850218316856083280
011954000958101542726025396887201211

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	15			
Encryption	524			
Decryption	177804			

26. KEY SIZE: 520
407429782751887182112678753141134995420150203237820615824411520049224408002749053310108140226706427624076018
577268646875304889549657461877496586731021213914135887321725189463618190290720502881889515864532262510494
901742535873296565147726433139726434832771151

5001916658352559607604789597877246431354233575393500656931042600412451267286922382918365489419820328897329
117227018295324435390345516394761837983666975492679223058936580868599352695920930183419579168057144002312337
862082900351405624841026071782591600123071643

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	14			
Encryption	554			
Decryption	198160			

27. KEY SIZE : 540
621968113067593939805056638910062348154270953312270593595157625726691797175204755131690712584738865863777528
688815376198305699695117290103642252101878478423353905255863350174387593404902911606218525498478740064929489
11102378552765447317991542339825185637989925711153073099

11382297785151265617888352198619647616783229263972977320561691200115329866221716969694905180006105203295734
772556310615437793613322231873151144452046727463641180113173656007999266788125579379770172145291040010068718
03025539124712276539351410851120284622838168214221763

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	14			
Encryption	573			
Decryption	215917			

28. KEY SIZE : 560
640725422325129983065479606218394937415421307462898675124379374271628758567407377182574635226959668734189254
451266777940446423552538455407805253294303546950302200544333436000938446777015429513166899724371165311800
04926330370653806153949517090090888260662774822316214972462662060

17332545662368627863312844102714080912582085634799335416033476584803563582145555509904706328540957555594282
626492205785210976867652829850981669058943398144282110485164479514622121607717471702611823478376375889832
64818431427431257857205224773823395219567803837292350990904424613331

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	15			
Encryption	597			
Decryption	236049			

29. KEY SIZE : 580
1860505612921637483898713362870501638979791509502903711570818044636777323159716243484668007478408537901419

6862796950636163587931320132499882207696084202314052743035156562750106854303692210439783469942219309711607012386929303324076726641099501783783866729342380359330039852966345127081382673

42477209457650805606475905002983078087878586549511572145476151751448869937068557835239609566634252130547217971810873240097380682243243946731628624527133895310156634128342561483375113793858421178957700621201846391688136778929668040630665487501074319401008382075436713781387898750941315681803

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	15			
Encryption	618			
Decryption	251666			

30. KEY SIZE : 600
908992939747351025086379987102396359084959708099501493777338669185715982914474030807423620588588005138844951242266593497870712184827003025044864948743100730803567736788241040628911740607199869422152143421079793541730459373498651490509315436701960079605061508713175342971570723034810122343480694238953

760995612837005285116274657407242639820896609011822872471588531880472834670158041588101734910415861745206707272320963158166558442396281300729058116277389099456138301356905121272150165364291845429158274313608685932056681176075945910100799479171399191319454015710253269866957769353032936078655614096831

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	16			
Encryption	644			
Decryption	278582			

31. KEY SIZE : 617 (RSA 2048)
532473503190492388905070699967681946552334904699507264130680780365326321873292626584654587561690724714640964801491607451579224430133387028364600761926025343391677709314012738927573298311436390799610246785642991260857585299113937404554291096220624322145290729769872520278220200562724916770197682838849358354377 9

236011754037749247859855851772153208861884310701190214616701867029300747051265101355678124406596917352766372922597304442730324467606153455402328124553834424342840795268318125853020453828718983344338741558748015458631062734339539357885308801996927503343700700732713226803490138487749694394843924215515637321 91

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	16			
Encryption	676			
Decryption	303105			

32. KEY SIZE : 620
367453671557052749156669028795103799619799160339860135795157234126265201547268290996247128916214432707801819645007436527095690238730346967220956048587693676016576827200209052990215731004994465165330844124072360774824107264885443068494221500244407509586262781036103294733519419833886875779049955483442329238514 11

540622420822133975293330198350084368083013846316678371731693313391572383078393993709791941232786678685914671943890071380383045706195070560099897447713030555686895552424988884026652667055537668058389832081301882439703718117503515780637287189216426060295802892359206735065754855686627617252114234789025328221188 3

Timing Data Points (ms)	ESP32	ARDUINO MEGA	ARDUINO UNO	ESP8266
Key Generation	16			
Encryption	669			
Decryption	303245			