RSA Algorithm (see also (Encryption Consulting, N.D.))

Advantages:

1) Security because the private key is only be accessible to the receiver itself. In other words, compared to symmetric encryption, there is no sharing of the private key
2) A more modern way to encrypt data

Disadvantages:

1) Because the algorithm works with a multiplication of prime numbers, it can lead to high costs of performance if the user decides to use big key lengths (i.e. he wants to use more secure prime numbers which lead to a long lasting multiplication).
2) Often preferable for the use of only small data.

Reference List:

Encryption Consulting (N.D.) *What is the difference between Symmetric and Asymmetric Encryption? Which is better for data security?* Available from:https://www.encryptionconsulting.com/education-center/symmetric-vs-asymmetric-encryption/ [Accessed 30 August 2022]