



**Bitcoin  
Addresses**

# Addresses

- Unique identifier
- Hash of a public key
- $0 < \text{Balance} < 21 \text{ Million Bitcoin}$
- $1 \text{ Satoshi} == 10^{-8} \text{ Bitcoin}$

@Alice

@Bob

@Eve

@ETH



**1**EGam2BeXd8sgphB44mEYqnDyDszw4YTEr

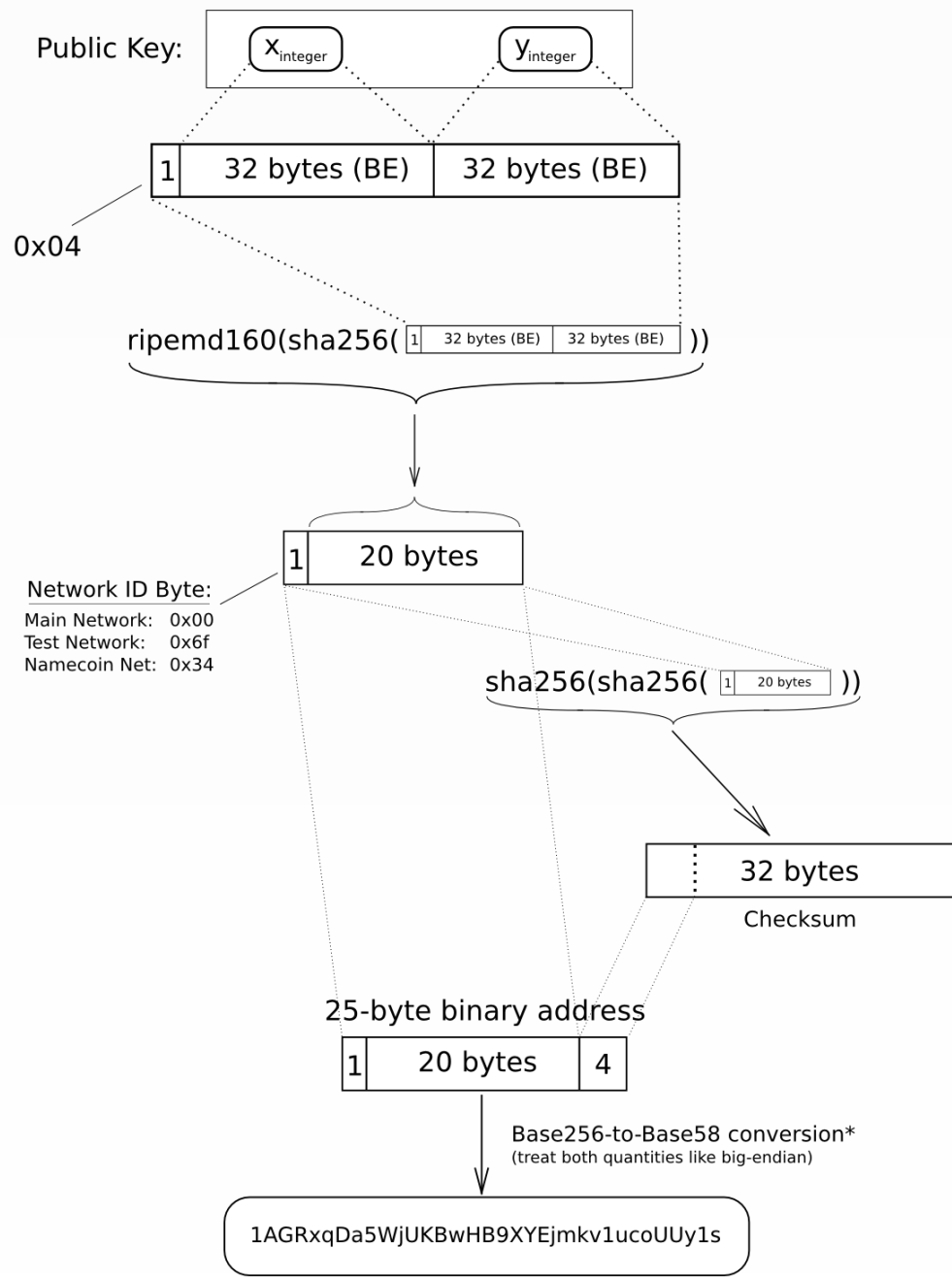
**3**J98t1WpEZ73CNmQviecrnyiWrnqRhWNLy



# Addresses

- Unique id
- Hash of a
- $0 < \text{Balance}$
- 1 Satoshi

## Elliptic-Curve Public Key to BTC Address conversion



\*In a standard base conversion, the 0x00 byte on the left would be irrelevant (like writing '052' instead of just '52'), but in the BTC network the left-most zero chars are carried through the conversion. So for every 0x00 byte on the left end of the binary address, we will attach one '1' character to the Base58 address. This is why main-network addresses all start with '1'

etotheipi@gmail.com / 1Gffm7LKXcNFPrtxy6yF4jBoe5rVka4sn1



@Eve

@ETH

1EGa

3J98

4YTER

VNLY