

BLE, NFC, QR? OH MY!

M-Commerce Demystified

What

BLE beacon

Bluetooth Low Energy (BLE) is a wireless personal area network technology. BLE beacons transmit the same static message to all recipients within their range.



NFC tag

Near-Field Communication (NFC) is a technology allowing for radio communication between devices that are brought within very close proximity or contact with each other. NFC tags store static information that can be retrieved by a reader (e.g. an NFCenabled smartphone).



Quick Response (QR) codes are machinereadable barcodes with superb data storage capability and high data fault tolerance. QR codes can be placed virtually anywhere and can be read by all modern smartphones with built-in cameras.



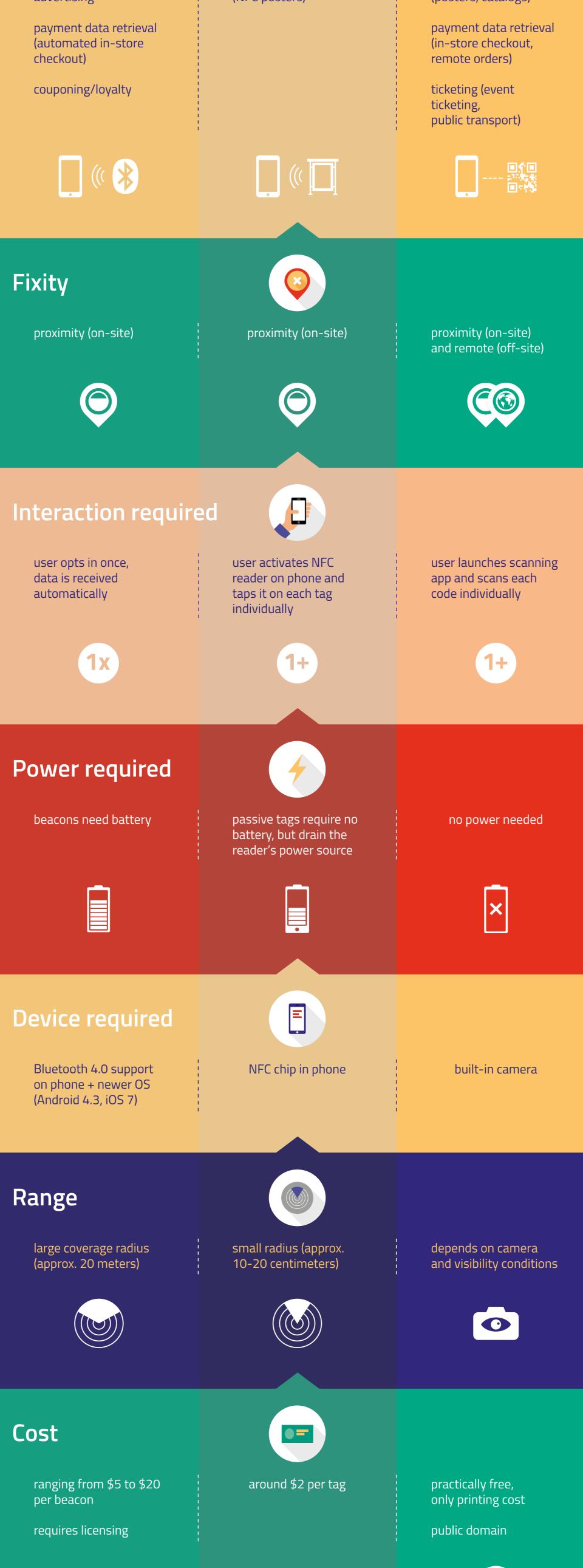


location-based advertising



interactive advertising (NFC posters)

interactive advertising (posters, catalogs)









Pros

automated process

low power requirement

personalized and interactive experience

fast transmission of data

large storage capacity

no power requirement

low cost, public domain

works with phone's built-in features

Cons

limited data storage

reading requires dedicated hardware and OS

costly, requires licensing

limited data storage

reading requires dedicated hardware

standards not fully universal more data makes it harder to read

reading requires good visibility conditions

widely regarded as unaesthetic





Click here to watch these technologies in action.

Source: Cellum internal research