



Digital Money



Computer Review
2013 Edition

Digital Money

Welcome to the new **Digital Money** directory & guide.

Learn why digital currency is shaking-up finance as we know it. Meet new companies and see what drives them. Understand digital money and what it can do for you, why it elicits such broad interest among people.

- Learn how digital money works
- Track the pioneering companies
- Be first to identify opportunities

The Digital Money directory & guide monitors 100 of the top companies from 17 countries. You will track business, technology, executives, employment and more - online and without effort.

Whether you're a corporate executive, investor or consumer, you'll find the Digital Money directory jam-packed with information you need to intelligently survey the landscape and examine your options.

- Discover new companies and their products
- Find opportunities you never knew existed
- Monitor markets of special interest to you
- Identify suppliers, customers and partners
- Establish business and technology contacts and more...

The 90-page 2013 Digital Money directory is a comprehensive market report. Alone, it is an indispensable resource to technology and research organizations. Now, with enhanced ActiveTrak™ technology, you get the latest information about each company all year long.

Thank you for your interest and we look forward to serving you.

Alexander G. Luhowy
President, Computer Review

Digital Money

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AurumXchange Company	Digital Currency Exchange
Bahtcoin	Digital Currency Exchange
Bcchanger	Digital Currency Exchange
Bitaddress	Digital Currency Wallet
Bitcoin Int. Payment	Currency Merchant Service
BitBargain	Currency Exchange
BitBox	Currency Platform
BitC	Currency Exchange
Bitcoin	Currency Exchange
Bitcoin.org	Currency Platform
Bitcoin (Wal)	Currency Wallet
Bitcoin A	Currency Charts
Bitcoin	Digital Currency Wallet
BitcoinATM	Digital Currency ATM
Bitcoincard	Digital Currency Wallet Smartcard
BitcoinCharts	Digital Currency Charts
Bitcoin Foundation	Digital Currency Foundation

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software and comes with in-browser QR scanning for mobile devices. In addition to the standard tools the REST API is available to develop custom solutions.

BitBargain

Digital Currency Exchange
www.bitbargain.co.uk
Established in 2012

BitBargain is a digital currency exchange that connects buyers and sellers in the UK. Clients can purchase bitcoins quickly, safely and at a competitive price. Sellers have a long standing good reputation and continuous quality control insures that both sellers and buyers abide by the rules to insure satisfaction.

Quick response with text message notification ensures fast turnaround of trades. Instant payment methods such as domestic UK bank transfer and Pingit combined with BitBargain policies make the average purchase time from start to finish just 8 minutes.

BitBargain process is intuitive (1) view the list of available sellers, (2) start the transaction(s), (3) transfer the money, (4) ask for payment verification, (5) receive your bitcoins. Making a transaction takes just a few clicks and a handy tutorial makes it easy to get started.

BitBox

Digital Currency Platform
www.bitbox.mx
Established in 2013

BitBox is a digital currency platform to store, trade, and track Bitcoins. BitBox offers secure storage and FinCEN compliant seamless banking integration rather than technological extensions meant to preserve legacy technologies, Bitcoin represents a paradigm shift offered by technologies that are replacing sluggish closed networks, cutting out middlemen, and empowering individuals. BitBox is also emerging from necessity since recent events shown that the Bitcoin economy is simply too large for one exchange to handle, no matter how efficient and scalable its architecture may be. The existing options for exchange are woefully inadequate to handle the kind of load that will come with being a mainstream part of the global financial system. Bitcoin event-based asynchronous technology stack encourages scale and allows for creation of high-volume and live streaming data feeds.

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Bitcoin.com.es

Digital Currency Exchange
www.bitcoin.com.es

Bitcoin.com.es is a digital currency exchange for buying and selling Bitcoins in euros.

Bitcoin.de

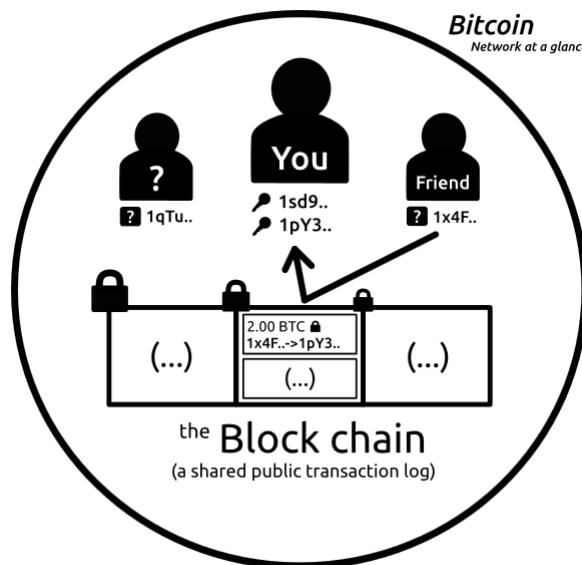
Digital Currency Exchange
www.bitcoin.de

Bitcoin.de is a digital currency exchange in Germany for buying and selling Bitcoins

Bitcoin.org

Digital Currency Platform
www.bitcoin.org/en
Established in 2009

Bitcoin Project, established under the MIT license, is an open source digital currency platform. It is based on Peer-2-Peer digital currency protocol and software that enables (a) instant peer-to-peer transactions, (b) worldwide payments, and (c) almost no processing fees. P2P technology allows the platform to operate with no central authority, managing transactions and issuing bitcoins collectively by the network. The software is a community-driven enterprise and free.



Bitcoin is one of the first implementations of a concept called crypto-currency, which was first described in 1998 by Wei Dai on the cipher punks mailing list. Building upon the notion that money is any object, or any sort of record, accepted as payment for goods and services and

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repayment of debts in a given country or socio-economic context, Bitcoin is designed around the idea of a new form of money that uses cryptography to control its creation and transactions, rather than relying on central authorities.

In 2009, the first Bitcoin specification and proof of concept was published in a cryptography mailing list by a member under the pseudonym of Satoshi Nakamoto. Towards the end of 2010 Satoshi left the project, saying he had moved on to other things. The creator of Bitcoin never revealed his identity and simply left his invention to the world. The origin and the motivation behind Bitcoin are still today a great source of mystery. Since 2010, the Bitcoin community has grown with many developers working on the project. During June and July 2011, Bitcoin suddenly gained media attention leading to a massive buy rally. The resulting bubble slowly deflated through the latter part of 2011, and since then the value of Bitcoin has slowly climbed once again back to its 2011 heights. On September 27th 2012, the Bitcoin Foundation was created in an effort to standardize, protect, and promote Bitcoin. Today, the Bitcoin economy is developing quickly with new users joining every day.

These are the basic features of any Bitcoin-like network: (a) Bitcoins can be transferred between arbitrary nodes on the network, (b) transactions are irreversible, (c) double spending is prevented by using a block chain, (d) transactions are broadcast within seconds and verified within 10 to 60 minutes, (e) transaction processing and money issuance are carried out collectively through mining, (f) transactions can be received at any time, regardless of whether your computer is turned on or off. Economic rules are enforced collectively by the Bitcoin network: (a) hard limit of about 21 million bitcoins, (b) Bitcoins are divisible to 8 decimal places, yielding a total of approximately 21×10^{14} currency units, (c) transactions are cheap and mostly free.

Statistics of the Bitcoin network as of April 2013 which has been running continuously for more than 48 months include: (a) long block chain with more than 232,000 blocks, (b) one of the largest distributed computing network in the world with more than 65 terahashes/s, (c) millions of USD in daily trade volume distributed across 50,000 transactions, (d) total value of all bitcoins in circulation is over US\$1.3 billion, (e) only one major security incident in the protocol which was fixed in August 2010.

Bitcoin (Wallets)

Digital Currency Wallet

www.bitcoin.org/en/choose-your-wallet

Established 2009

Bitcoin Wallets allow you to transact digital currency. They give you ownership of Bitcoin addresses to receive and send coins. Just like email, you can receive bitcoins when you are offline, and all wallets are compatible with each other.

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Bitcoin-Qt is the wallet you can download for Windows, Mac, and Linux; Bitcoin Android runs on your phone or tablet. The original client is more resource intensive and will take a complete day to synchronize. After that your computer will contribute to the network by checking and relaying transactions.



Software wallets are installed on your computer. They give you complete control over your wallet. You are responsible for doing backups and protecting your money. Mobile wallets allow you to bring Bitcoin with you in your pocket. You can exchange coins easily and pay in physical stores by scanning a QR code or using NFC "tap to pay". Web wallets allow you to use Bitcoin anywhere with less effort to protect your wallet. However, you must choose your web wallet service with care as they host your bitcoins.

Bitcoin Analytics
Digital Currency Charts
www.bitcoin-analytics.com
Established 2012

Bitcoin Analytics provide indicators and delayed arbitrage charts about bitcoin trades. The service is supported by customers who subscribe to a full data set of indicators for a price of 0.5 bitcoins (BTC).

The service works as follows: (a) the server collects order books from exchanges and trades from bitcoincharts.com, calculates the charts and pushes the data to clients in real time, (b) the server requests order books from these 12 Bitcoin exchanges every 15 seconds: Mt. Gox.com, btc-e.com, btcex.com, CampBX.com, cryptoxchange.com, intersango.us, www.bitstamp.net, bitfloor.com, ruxum.com, vircorex.com (new exchanges can be added without difficulty), (c) trading information from bitcoincharts.com and the trading data propagates almost instantly as trades are executed, or is recalculates when adjusted for delays, (c) chart display 24 hours of data at 15 second intervals, a two month view with 15 minute intervals is under consideration, (e) an 'all USD' ticker is a consolidated view of all exchanges and calculated for as if it was a real exchange.

Bitcoin Armory

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