The Cube's design ensures reliable and uninterrupted data collection. This reliability is crucial, as it operates independently of a customer's computer, bypassing common challenges like computer shutdowns or conflicts with antivirus software. Despite its compact size, the Cube does not compromise on functionality, making a substantial contribution to the advancement of data collection technology.

Ease of installation and management is key to the Cube's appeal. It has been designed for accessibility, requiring minimal technical expertise for setup and ongoing management. This ease of use is further enhanced by the device's physical durability. Encased in a robust metal shell, the Cube is built to withstand a variety of physical challenges, ensuring longevity and reliability.

Security

Security is a cornerstone of the Cube's design. The device employs advanced cryptographic standards to secure data, and strategic measures are implemented to minimize potential attack vectors. For instance, the Cube features a controlled access mechanism where the SSH port (22) is used for troubleshooting and debugging but automatically shuts down after 2 minutes to prevent unauthorized access. Port 80, provides access to the Print Tracker data collection agent user interface, is strictly limited to proxy settings configuration, and connectivity tests. Additionally, the Cube Discovery Service on port 51301 is disabled after provisioning to eliminate this as a vulnerability. In most cases the provisioning occurs even before the Cube has been deployed to a customer's location, in which case, the Cube Discovery Service does not need to run again.

The Cube ships with a minimal set of running services, including the Print Tracker data collection agent. Please see the [data collection agent whitepaper](#) for more details and security information regarding the agent specifically.

Provisioning

Provisioning the Cube is a streamlined process, designed to be quick and simple. Using the Cube Provisioner desktop application, users can discover and configure one or many Cubes in a matter of minutes, without needing extensive technical knowledge. Once provisioned, discovery services are automatically disabled as an added security measure.

Port	Service	Purpose	Limitations
22	SSH	Troubleshooting and debugging	SSH server shuts down automatically after 2 minutes after startup and becomes inaccessible. SSH password can be configured during provisioning.
80	Print Tracker Data Collection Agent	Status and connectivity test	Only allows initial registration, configuration of proxy settings, and connectivity test.
51301	Cube Discovery Service	Allows the Cube Provisioner to discover the Cube on the local network	Disabled after provisioning is completed.