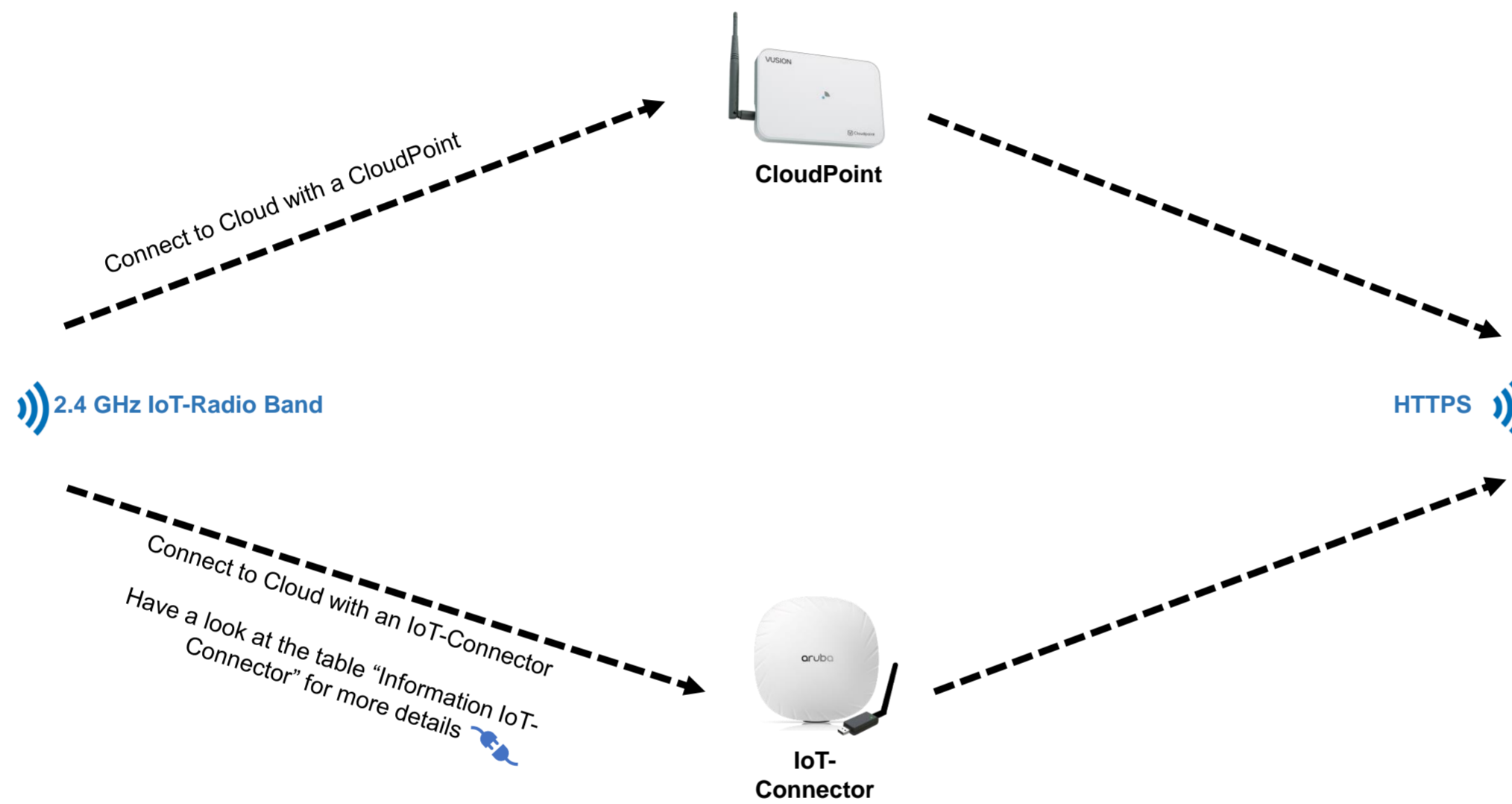
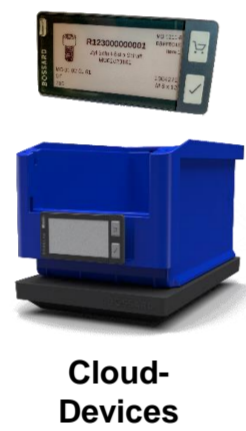


## Communication between Cloud-Devices, CloudPoint / IoT-Connector and Cloud/ARIMS

We only send **non sensitive data**. These non sensitive data are weight data and device related information such as ID, firmware, connection state etc.



These signals are transmitted to the Microsoft Azure Cloud using the CloudPoint or IoT-Connector (depending on what you install).

Information IoT-Connector	To use an IoT Access Point you have to have one of the supported WiFi-Access Points with the listed OS / firmware version in usage. The installation works through a simple plug-in-Connection without any other installation.				
Brand	Supported WiFi-Access Points	Part-No. IoT-Connector	OS version / firmware version	IoT-Radio	Interface
Aruba	All Aruba 3XX and 5XX Series APs with an external USB Port	CE: 18070034 FCC/IC: 18070035	8.4.0.0 or later	2.4GHz Proprietary Pre-assembled hinged dipole SMA antenna Auto-channel-selection: yes	USB 2.0
Extreme Networks	AP 8432	CE: 18070031 FCC/IC: 18070033	5.9.2 or later	2.4GHz Proprietary Pre-assembled hinged dipole SMA antenna Auto-channel-selection: yes	USB 2.0
Cisco Aironet 3800	Aironet 3800	CE: 18070037 FCC/IC: 18070038	AireOS 8.8 or later	2.4GHz Proprietary SMA antenna with 3m antenna cable Auto-channel-selection: no	mPCIe
Cisco Aironet 3800	Aironet 3800	CE: 18070032 FCC/IC: 18070039	AireOS 8.8 or later	2.4GHz Proprietary Hinged SMA antenna Auto-channel-selection: no	mPCIe
Huawei	AP4050DN-E	CE: 18070040 FCC/IC: 18070041	Cloud Campus V1R1	2.4GHz Proprietary Hinged SMA antenna Auto-channel-selection: no	Card slot + Radio port (antenna)

Communication CloudPoint	Used Ports	How to connect
Communication between CloudPoint and Provisioning server	TCP-Port 443 outgoing provisioning.ses-imagotag.com provisioning-auth.ses-imagotag.com	 Option 1: Power + LAN
Communication between CloudPoint and Cloud environment	TCP-Port 7354 outgoing industrial-coreservice.westeurope.cloudapp.azure.com TLS traffic allowed	
Synchronization with NTP-Server	UDP-Port 123 outgoing Synchronization with NTP-Server provisioning.ses-imagotag.com	 Option 2: Power over Ethernet
Data volume	Minimum 50 MB per day per CloudPoint. The maximum depends on the size of the system.	
Data transfer	Continuous connection (real time communication)	



All data in Microsoft Azure is automatically encrypted and all requests are sent with HTTPS.



We are using different services from MS Azure, to monitor the cloud platform. We also have services in place to protect us against hackers, for example the DDOS.



Data is persisted with an encryption at rest. Data in Azure Cosmos DB is stored in Azure's protected data center. <https://azure.microsoft.com/en-us/global-infrastructure/>



The Platform is hosted on the MS Azure. All services are located in Central- /West-Europe.