

Help ensure your in-home patients get the best care



The Astute CTR-01™ hub is part of our latest Internet of Medical Things (IoMT) solutions geared toward giving healthcare providers and patients the most advanced tools for greater levels of patient satisfaction and operational efficiency.

As the number of patients receiving in-home care grows, so does the need for more effective remote monitoring devices. These devices traditionally have relied on Wi-Fi/Bluetooth® Low Energy (BLE) networks for uploading and delivering patient data to healthcare providers. But, Wi-Fi/BLE is not always stable, nor readily available for many patients seeking in-home care. Systems that rely on Wi-Fi/BLE typically require sending someone to the patient's home to install. The Astute CTR-01 hub offers plug and play capability, eliminating the need for a service call.

AT&T brings you the Astute CTR-01 hub, a CAT-M/Long Term Evolution (LTE)-enabled device that serves as the intuitive, all-purpose gateway for your integrated medical devices. With the Astute CTR-01 hub, your patients' health data is transferred wirelessly to your monitoring systems with the stability and high security that the AT&T network can provide.

Features and potential benefits

- Ready to connect to medical sensors out of the box
- Increases connectivity in remote locations and rural areas
- Improves patient ease-of-use and mobility by eliminating dependence on Wi-Fi connection
- Permits data to be pulled from cloud into legacy systems
- Can help reduce likelihood of readmitted patients
- Upgrades over-the-air
- Supports long battery life; up to 10 years or more

Monitor remotely using your highly reliable AT&T LTE network

The Astute CTR-01 hub auto-connects with pre-integrated Bluetooth® Low Energy (BLE) devices and provides highly secure data transfer to the cloud via your AT&T LTE network. You can now collect and monitor patient data using a centralized, in-home device with all the benefits of LTE connectivity:

- Increased connectivity in hard to reach locations
- Compliance with intermittent data uses
- Ability to maintain connection while in-home and away
- Limited potential for interference

Remote monitoring can support patient care after discharge, help identify patients most at risk for readmission, and help clinicians intervene before readmission becomes necessary. With the Astute CTR-01 hub, your patients' monitoring devices are connected by a highly secure LTE network. And for patients with Wi-Fi/BLE limitations either in-home or away, AT&T provides the cellular reach that helps keep even more patients in the comfort of their homes or where they choose to be.

Your remote patients are no longer tied to their Wi-Fi/BLE networks. As long as there is an electrical outlet available, they can live their lives as usual, with less risk of losing connection where the AT&T LTE network is available.

Connect to medical devices right out of the box

The Astute CTR-01 hub comes ready to connect to many of your patients' devices and network straight out of the box. No Wi-Fi pairing or device and network configuration is required; just turn on the Astute CTR-01 hub and it automatically syncs with the medical devices. The Astute CTR-01 hub is pre-integrated with the most popular BLE-enabled medical sensors, including:

- Blood pressure meters
- Medication adherence monitors
- Electrocardiogram monitors
- Pulse oximeters
- Glucometers
- Weights, scales, and more

Integrates seamlessly with your existing systems

With the Astute CTR-01 hub you don't have to make adjustments to your digital infrastructure. Integration into your existing legacy medical applications is made easy with the Astute Data Guardian™ API toolkit, and all sensor data is delivered in a standardized, easy to consume JSON format.

The Astute CTR-01 hub supports over-the-air firmware upgrades. Your device upgrades automatically as updates are released over your high-speed AT&T LTE network.

Astute CTR-01 hub	
LTE Module (North America) (AT&T)	CAT-M1; Bands 2, 4, 5, 12
Optional LTE (Global)	CAT-M1, CAT-NB1 deployed bands: 2, 3, 4, 5, 8, 12, 13, 20, 28, EGPRS quad-band 850/900/1800/1900 MHz
Security	MQTT/TLSv2.1 supports compliance with the HIPAA security standard for communications with cloud servers. Supports 512 bit encryption for integration with Azure
Power	110-220v universal power supply

AT&T and healthcare

AT&T has worked with over 300+ healthcare companies, assisting them with prototyping and testing new concepts and exploring ways that emerging technologies can help address healthcare needs. We bring Internet of Medical Things (IoMT) innovation to patient care. Developing solutions that help enhance security, optimize processes, and provide data insights for medical facilities that tackle complex challenges is our specialty. Whether you're considering IoMT or are in the midst of deployment, AT&T has the resources and expertise to facilitate that process.

Contact your AT&T sales associate or visit www.att.com/IoMT to learn more.

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