



STAR® Network DCU II

DATA COLLECTOR UNIT

The STAR Network DCU II enhances your AMI network by providing reliable and flexible two-way communication for electric, water, and gas meters.

Our proven, wide-area network (WAN) backhaul options support data-intensive applications such as real-time pricing, demand response, remote leak detection, and always-on connections to the utility.

The DCU II transmits and receives data over individual 450- to 470-MHz radio frequencies. Powered by a battery that can be recharged by a solar panel or AC power supply, the DCU time stamps, processes, and stores diagnostic information and data collected from meter transmission units (MTUs). The DCU transmits the data for further processing to the utility's network control computer (NCC) and sends commands and alerts back to the MTUs.



Each STAR Network DCU II delivers

Reliable technology

Communicates with FCC-licensed, narrow-band transceivers.

Safety and security

Initiates an immediate message transfer upon receipt of an event or alarm from an MTU.

Robust operation

Delivers Part 90 radio technology to transmit commands to MTUs.

Rugged, weatherproof design

Mounts on buildings, utility poles, or towers.

WAN compatibility

Communicates over cellular, fiber-optic, Ethernet, Wi-Fi, and WiMAX networks.

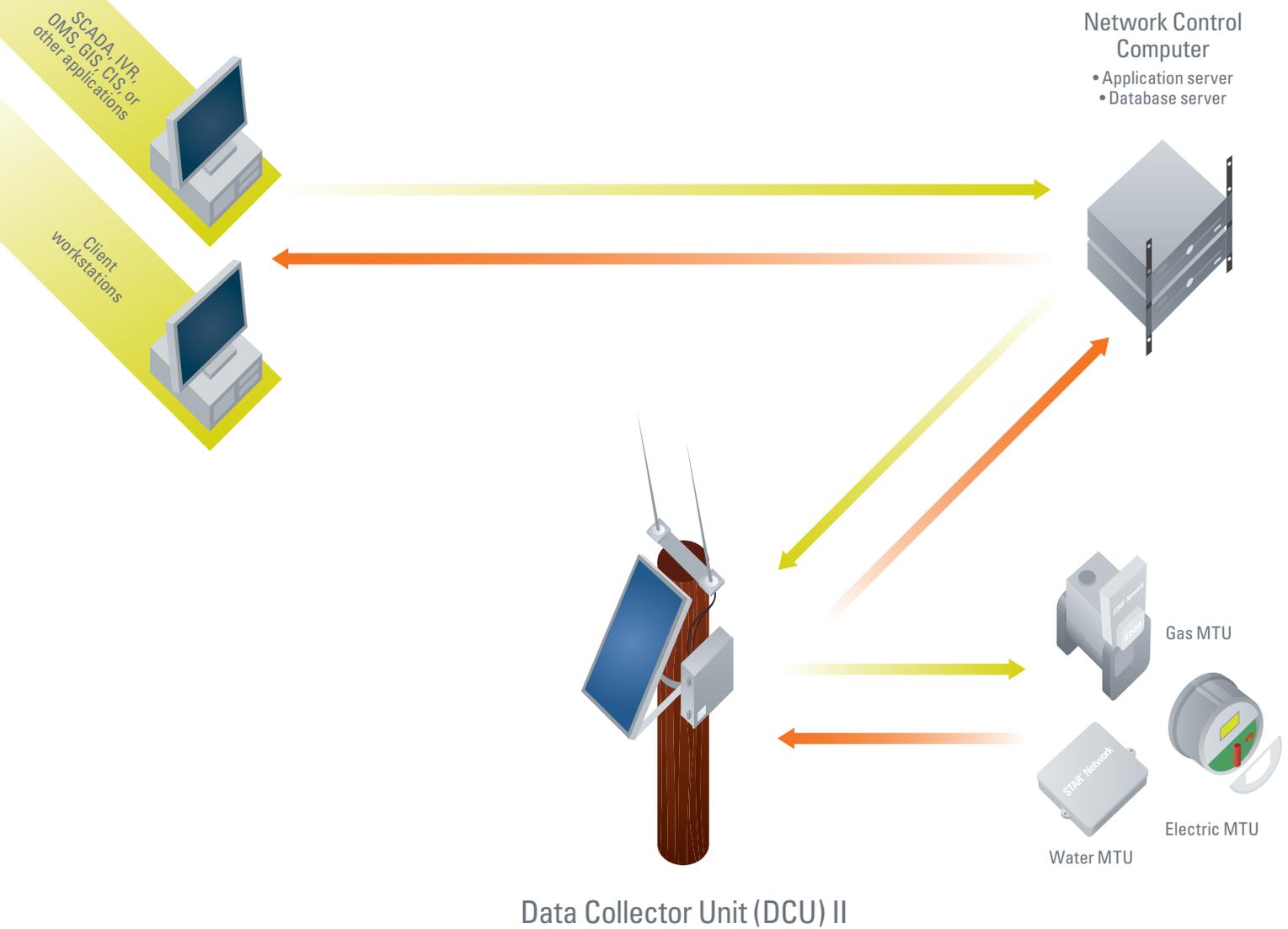
FCC compliance

Meets requirements under Part 15 and Part 90 for a Class A digital device.

Backwards compatibility

Replaces older style models of the DCU.

STAR Network DCU II System Diagram



The STAR Network DCU II collects meter reading data from STAR Network meter transmission units (MTUs) and transfers it to the NCC, providing the benefits of valuable AMI.