SECTON is the most advanced, secure and cost effective global V2X add-on that supports all V2X protocols, DSRC and C-V2X. This mass-market ready chipset integrates a mobility optimized IEEE802.11p DSRC and C-V2X direct communications (PC5) Rel. 14 and Rel. 15 modem, ultra-low-latency V2X embedded Hardware Security Module (eHSM) and powerful hardware acceleration engines for line-rate message verification. In addition, SECTON supports IEEE 802.11a/b/g/n/ac to enable out-of-vehicle WiFi for supplementary value-added services. This integration level inherently gives any SECTON-based V2X system a significant cost advantage and ensures the quickest time-to-market.

SECTON is a global platform, supporting US, EU, Japan and China standards. As different regions in the world selected different protocols, DSRC and C-V2X, Autotalks is the only one that can support both with a single chipset. With a rich and constantly growing ecosystem, SECTON is pre-integrated with all V2X middleware vendors, as well as a variety of V2X module and unit manufacturers.
SECTON is the most secure, cost-optimized V2X hardware add-on chipset available today. It offers simple and secure integration with any external host CPU and with any NAD (cellular Network Access Device). SECTON delivers full V2X communication, security and management services to the host CPU, through a lean OS-agnostic host library that is part of SECTON standard offering. In addition, SECTON offers remote antenna support with closed loop cable compensator. Autotalks’ unified API, allows for seamless software migration from SECTON to CRATONz based solution.

**Truly Secure**
SECTON is the most secure V2X hardware add-on available today. It’s embedded powerful security engines enable timely handling of road safety events and can therefore support sensor-fusion and autonomous driving applications. It also assures trusted information for safety applications, now and for decades to come. SECTON includes multiple defense layers, such as secure boot, secure low-latency signing, line-rate verification of the entire V2X communication link, and secure V2X firewall. SECTON’s multi-layered defense minimizes the cyber surface of attack and allows the application developers, on the host side, to focus on application reliability rather than cybersecurity vulnerability. In addition, Autotalks’ cryptographic-agile security engines support field upgrade of future curves while maintaining safety-grade performance levels.

**Features:**
- True antenna diversity IEEE 802.11p and C-V2X direct communications (PC5) Rel. 14 / Rel. 15 mobility optimized modems
- Switchable WLAN connectivity; IEEE 802.11a/b/g/n/ac operation at 2.4GHz / 5GHz, up to 433 Mbps
- Line-rate ECDSA and V2X embedded HSM (Hardware Security Module)
- AEC Q-100 grade 2 (-40°C to +105°C ambient operation)
- Minimal thermal constraints due to high temperature manufacturing process
- USB 2.0 USB 2.0 interface
- Provided with host drivers for Linux, QNX