



## Company Update

### **Automize Factory's Production with VX200**

A recent deployment in Thailand has automated the production process of The Nawaloha Industry Co. Ltd. (NIC) is a subsidiary of Aisin Takaoka Thailand Group and a leading company of Iron & Aluminum Business in Thailand that originates from Japan.

NIC has widely applied Automated Guided Vehicles (AGVs) in its production process. However, without a high-quality wireless network to support the AGVs and PLCs (programmable logic controllers), NIC found it difficult for them to monitor such a large number of devices. Fortunately, a partner of Altai Super WiFi Solution in Thailand, TCK Internetwork, has proposed Altai's Super WiFi solution to NIC as part of a full system upgrade. The customer has finally selected Altai's VX200 for both AP and CPE to connect their AGVs and PLCs after a series of demonstration that proves the outstanding performance of Altai's products. Altai's VX200 has turned the array of machines



into a fully automated system and has largely increased the factory's productivity.

## Product News

### C1xn Re-design

Continuous improvement on our products to suit better the customers' need is always one of Altai's most critical missions. Since its launch, C1 series has been well received by the users and is now the best-selling series among Altai's product portfolio. In response to the feedback from various markets, Altai has decided to re-design the housing of C1 series. Below are the key changes for the revamped C1xn :

- External antenna ports relocated on top of the device for easier installation
- Various high performance antennas with different antenna gain and beamwidth (5dBi omni / 10dBi omni / 15dBi sector) offered as optional accessories for users to choose from
- Customized mounting kit for fully integrated coupling with the new sector antenna
- Smaller form factor



### AltaiCare 3.0 Release

In order to cater with various customer needs, Altai has been continually improving their popular cloud-based network management platform, AltaiCare. The latest version of AltaiCare, version 3.0, will be released shortly with enhanced features summarised below:

#### Wireless Configuration

- WLAN creation wizard for quick & straightforward setup on various authentication type including portal setup
- Support AP list export for rapid site cloning or AP management
- Customizable AP list table providing center of attention on vast AP detail
- Support location & AP search in Google Map integration for easy map refocus
- WEP security configuration support for backward compatibility
- Introduce default site configuration for simple AP initialization
- Dynamic VLAN support for both user authentication and network passthrough

- Enhance CPE mac lock mechanism to allow wild card over different SSID



### Statistics Enhancement

- Append station connection time statistics & extended WLAN statistics in site report
- Support AP-CPE topology graph generation to demonstrate relation between various managed AP
- Add station list UI on both site and AP level for easy access

### Portal Service

- Complete L2 portal support for extended network deployment scenarios
- Support user account renovation feature in both time period and time point schedule
- Allow AP portal certificate upload for customizable login portal domain

### OAM

- Announcement system support for system level notification

### Firmware Update

#### Applicable Products : A8n family, A2/A3 family, C1n/C2s family and VX200

Altai will soon release the latest version of AP firmware, ver. 2.2.1. Some of the new features of the new version are highlighted as follows:

- 802.1p Priority Code Point (PCP) support for QoS implementation.
- Minimum data rate threshold support, which allows the AP to proactively disconnect a client when the data rate of its connection drops to a level below a user-defined threshold
- EAP-TLS authentication support for station and repeater modes
- Speed test tool introduced to measure throughput performance of a bridge link in either static bridge mode or AP-Station bridge mode
- Proxy ARP feature support, which allows the AP to answer ARP requests on behalf of other host in an attempt to reduce the broadcast-based ARP request traffic traversing from the wired network to wireless side or vice versa, hence improving the overall



network performance

- PPPoE intermediate agent feature support, which allows AP to intercept PPPoE discover request packets of its wireless clients during the discovery phase and insert vendor specific PPPoE tags of Circuit ID and Remote ID
- SSH configuration support, e.g. enable/disable and port number
- Hotchange support for AltaiCare/AltaiGate WLAN scheduler (WLAN on/off)
- HTTPS certificate uninstall support, which allows users to reset the certificate to the default one
- Altai's proprietary CPE heartbeat feature support, which provides an additional self-healing mechanism for the CPE's connection by sending heartbeats between Altai AP and CPE to keep track of the real connection status.

## Upcoming Events

### Silicon Dragon CES 2021 Online

During the COVID-19 pandemic, Silicon Dragon is hosting its usual conference focusing on Asian innovation in technology. It will be an online event and attended by innovators from all over the world to discuss what high-tech deals will be done (and how they will happen) between Asia and the U.S. in 2021.



Time: 8:00 – 9:30 HKT, 14 January 2021

Get a ticket → <https://sdces2021.eventbrite.com>

Enter this code on registration page: **SDCESSpeaker**

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