



Bluetooth Asset Tags for Winter Maintenance

Model Integration	CTM-ONE, Cypress VUE
Revision	Rev 1.0

Revision Control

Description	Revision	Date
Initial Release	Rev 1.0	2021-11-05

Overview

Cypress Solutions CTM-ONE wireless gateway and Cypress VUE fleet telematics application now support the Confidex Viking product line of Bluetooth Low Energy (BLE) rugged asset tags.

The asset tags are “zero maintenance” products that can operate without user intervention for between two to four years of service. The asset tags provide a unique ID that can be tracked by the CTM-ONE and Cypress VUE for reliable asset tracking.



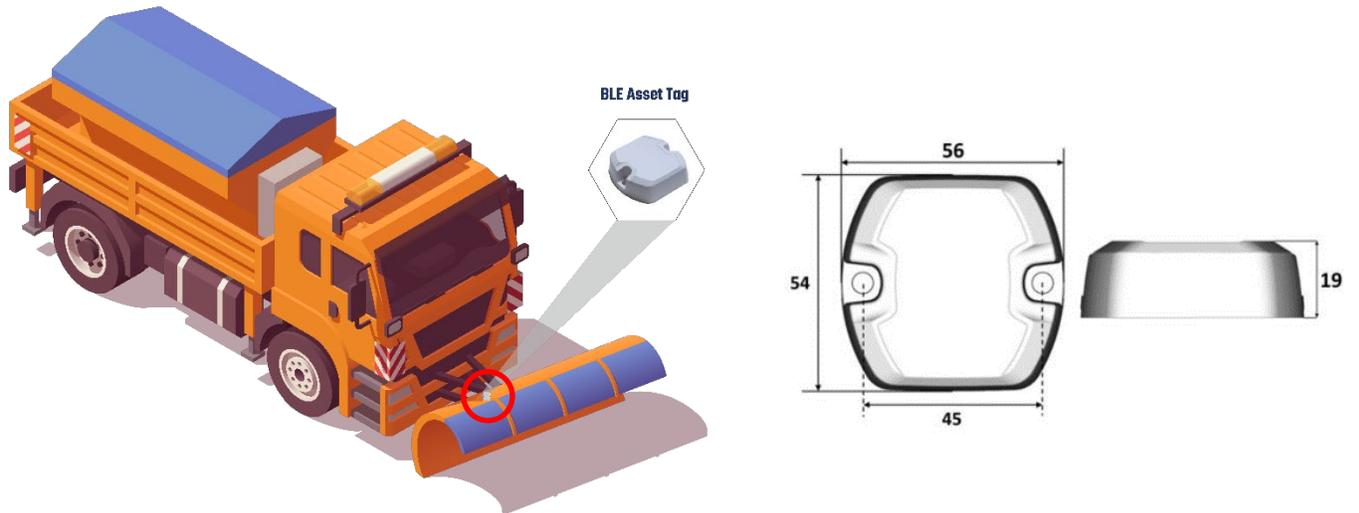
1.1 Use of BLE Asset Tags for Blade Tracking

Asset tags can be attached to any removable or transferrable winter maintenance equipment such as Plow Blades etc., for real-time tracking. The CTM-ONE gathers the data while the asset tag is active on the equipment and sends the data to the Cypress VUE platform to generate meaningful reports.



Mounting The BLE Asset Tag on Vehicle Blade

The asset tag should be mounted to the portion of the blade facing the vehicle cab. Two mounting holes are available to secure the asset tag. Please refer to the screenshot below for a use case on a snowplow.



Set Up

After receiving the asset tags and mounting them to the asset or equipment, Cypress Solutions support team will work with the client directly to assign the asset ID to the Blade asset for tracking.

- Each asset tag will have a unique ID in the form of a MAC address (e.g. D1:A6:91:C1:87:74).
- At the time of installation, the client will record based on supplied labeling and determine the asset tag and its corresponding blade.
 - Cypress Solutions support team will use that information in Cypress VUE to complete the setup.

Reports

Two reports are available in Cypress VUE for Blade reports with asset tags installed: Blade Specific Report and Blade Vehicle Report.

- Blade Specific Reports** provide details on the time and distance the blade spends in the active or down position. This information provides detail on product life cycle maintenance.

Blade Centric Report										
Generated On: 10/13/2021										
Summary										
Total events:	6									
Total vehicles:	1									
Total duration:	0:01:30									
Right Wing Blade3										
Start Date	Start Time	End Time	Duration	Distance	Vehicle	Event State	Start Address	End Address	Right Wing Blade	
08/24/2021	09:33	09:33	0:00:09	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
08/24/2021	09:51	09:51	0:00:05	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
08/25/2021	13:54	13:54	0:00:13	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
08/25/2021	14:18	14:18	0:00:16	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
08/25/2021	14:57	14:57	0:00:05	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
08/26/2021	14:25	14:26	0:00:42	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Right Wing Blade3	
Total events:			0:01:30		0.0 km					
6										

- Blade Vehicle Reports** details the type of blades used on each vehicle for inventory management and tracking.

Vehicle Centric Report										
Generated On: 10/13/2021										
Summary										
Total events:	32									
Total vehicles:	1									
Total duration:	0:19:17									
Front Plow Usage										
Start Date	Start Time	End Time	Duration	Distance	Vehicle	Event State	Start Address	End Address	Front Blades	
08/24/2021	08:46	08:47	0:00:16	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	08:48	08:48	0:00:05	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	08:51	08:51	0:00:08	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	08:56	08:56	0:00:13	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	08:57	08:57	0:00:09	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	08:58	08:58	0:00:04	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	
08/24/2021	09:22	09:23	0:00:33	0.0 km	Dex ctm-one plus	Finished	3054 Beta Ave, Burnaby, BC V5G 4K4	3054 Beta Ave, Burnaby, BC V5G 4K4	Front Plow Blade1	

These reports can be found by navigating to the top-left menu bar in Cypress VUE as shown in the below screenshot:



Technical Support

Cypress Solutions Service Support Group

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