



Applications

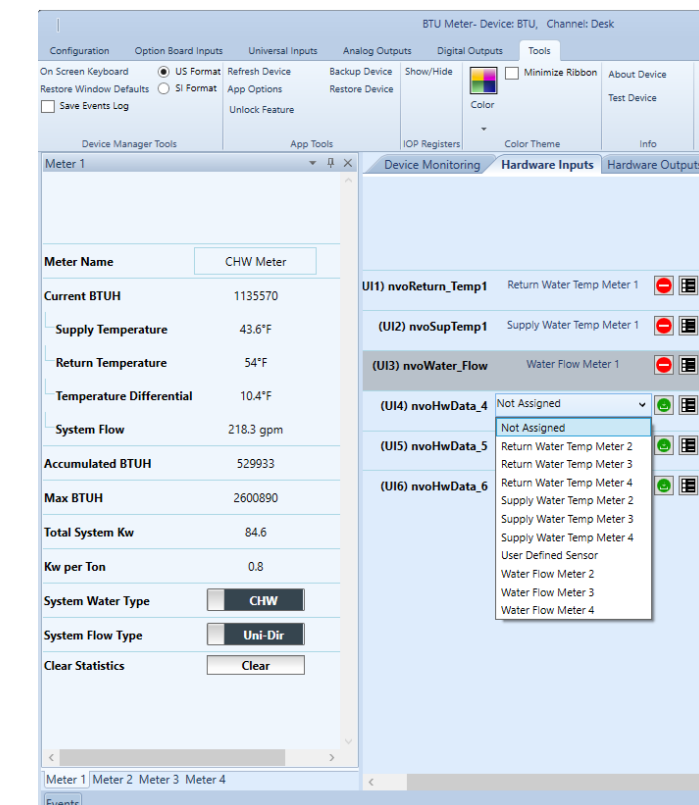
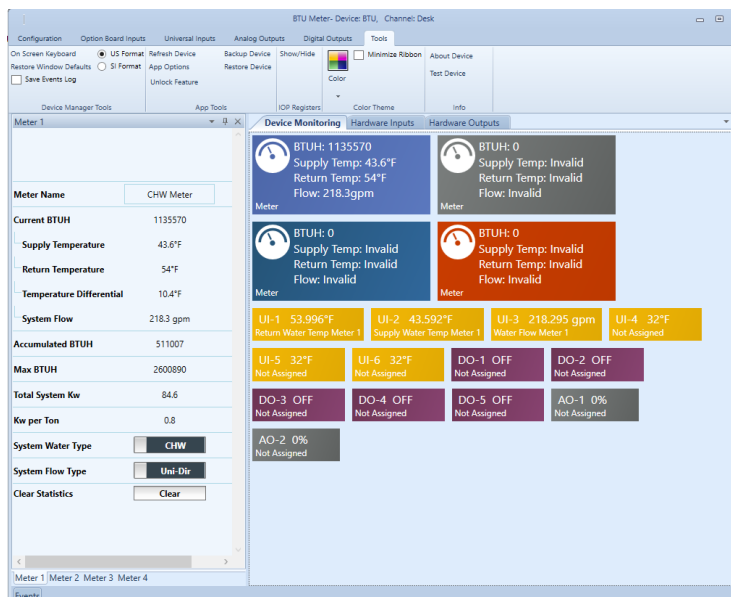
Application is compatible with Q1 Hardware. Calculates Current, Accumulated and Max BTU/-H of any water system using standard temperature and flow meters. The meters can also calculate system kilo-watt per ton and system total plant kilo-watts when attached to plant watt meters or multiple individual meters from devices such as pump variable frequency drives.

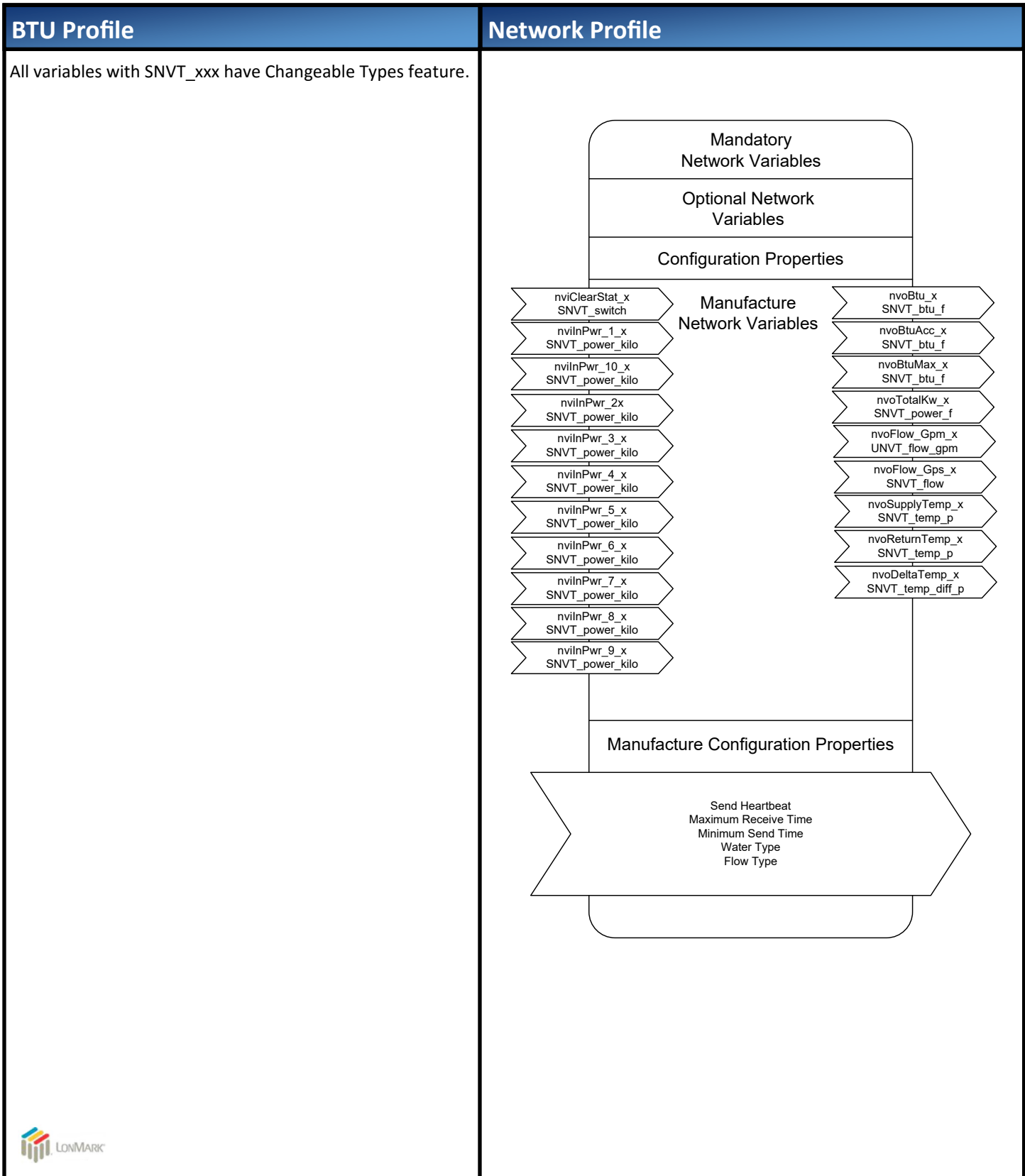
Software

Software features include:

- Up to 4 meters per controller
- Per system energy calculations
- Capable of bidirectional or unidirectional flow for calculations
- Separate network outputs for temperature, flow, temperature differential and energy calculations
- Changeable network variable types.
- Slave mode for any unused I/O, which can be bound to another controller.

LNS Plug-in provides graphical user interface for configuration and monitoring. Plug-in simplifies hardware I/O customization, communication parameters, control sequences. Plug-in can be executed from-within network management tool such as LonMaker for Windows or similar.





Open Loop Sensor Profile

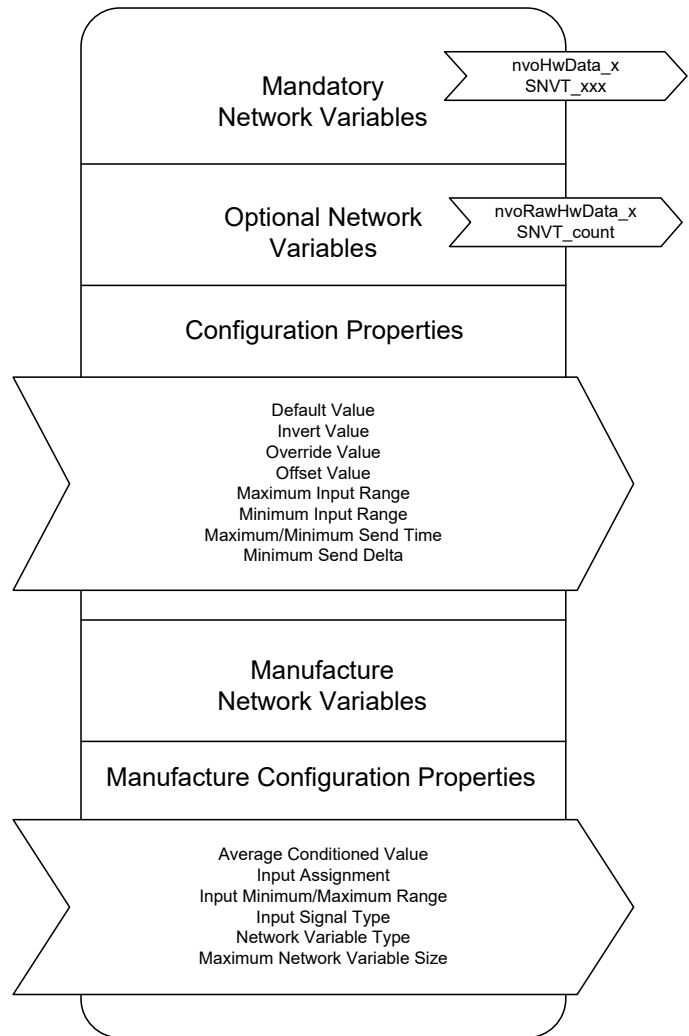
Open Loop Sensor profile is used by all physical inputs. Inputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

Network Profile

Open Loop Sensor functional block information.

(Physical inputs)



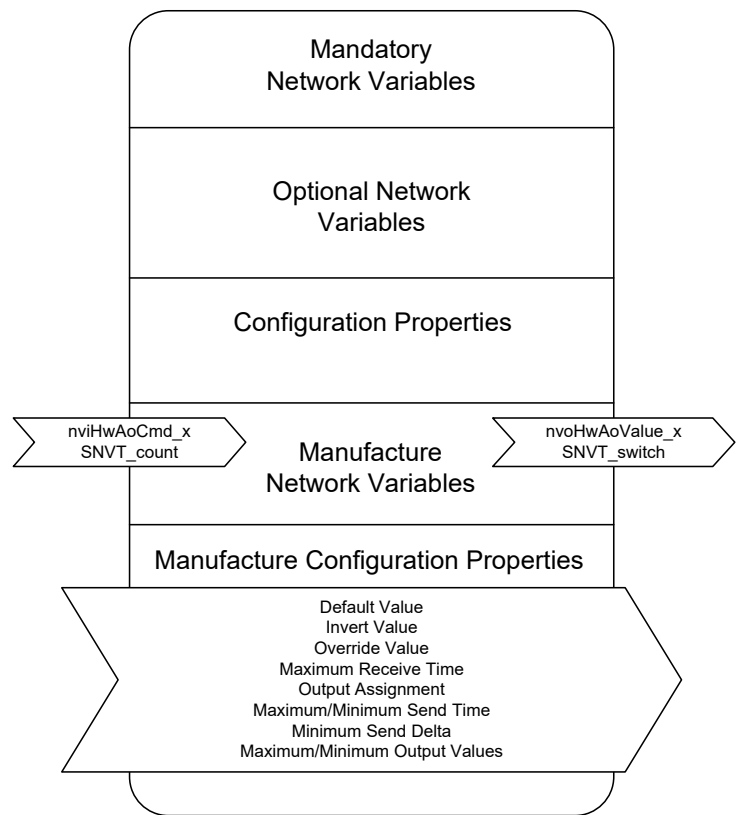
Open Loop Actuator Profile

Analog Output profile is used by all analog outputs. Outputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

Network Profile

Analog Outputs functional block information.



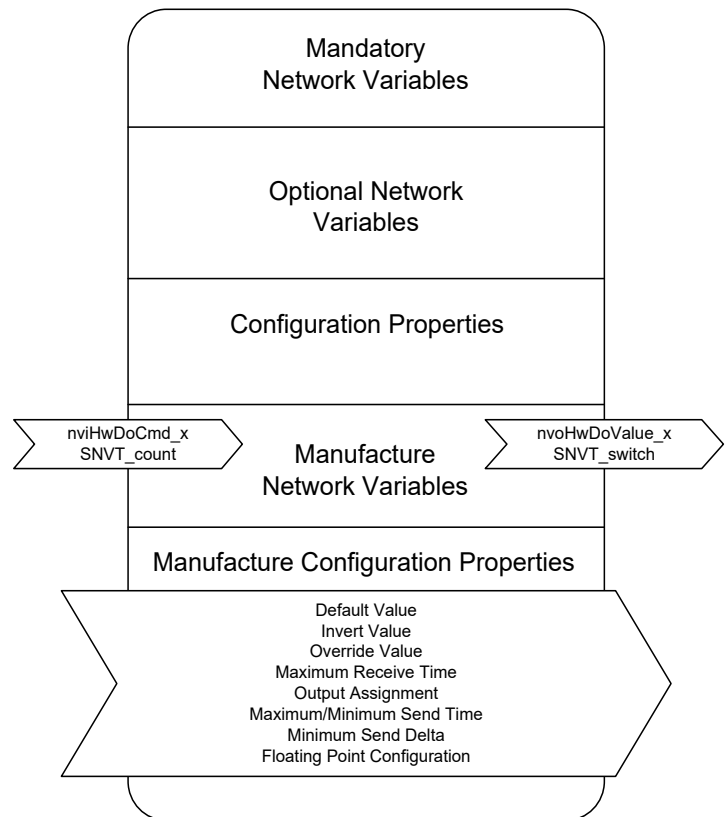
Open Loop Sensor Profile

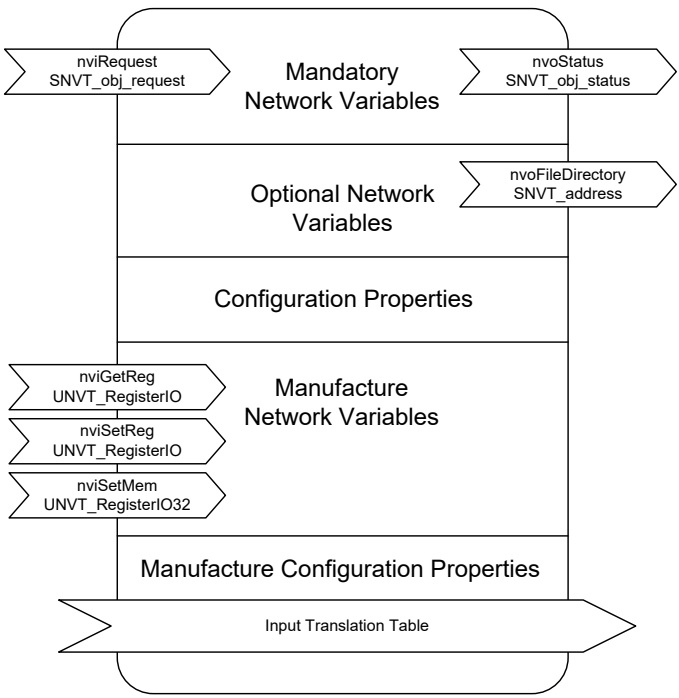
Digital Output profile is used by all digital outputs. Outputs can be used as slave I/O or as part of the main application.

All variables with SNVT_xxx have Changeable Types feature.

Network Profile

Digital Outputs functional block information.



Node Object Profile	Network Profile
<p>Node Object profile includes hardware specific network variables. The variables are for internal and use by the plugin only.</p>	<p>Node Object functional block information.</p>  <pre> graph TD subgraph Mandatory_Network_Variables [Mandatory Network Variables] direction LR M1[nviRequest SNVT_obj_request] --> M2[nvoStatus SNVT_obj_status] end subgraph Optional_Network_Variables [Optional Network Variables] direction LR O1[nvoFileDirectory SNVT_address] end subgraph Configuration_Properties [Configuration Properties] direction TB C1[] end subgraph Manufacture_Network_Variables [Manufacture Network Variables] direction LR M3[nviGetReg UNVT_RegisterIO] M4[nviSetReg UNVT_RegisterIO] M5[nviSetMem UNVT_RegisterIO32] end subgraph Manufacture_Configuration_Properties [Manufacture Configuration Properties] direction TB C2[] end subgraph Input_Translation_Table [Input Translation Table] direction LR I1[] end M2 --- O1 O1 --- C1 C1 --- M3 M3 --- M4 M4 --- M5 M5 --- C2 C2 --- I1 </pre>