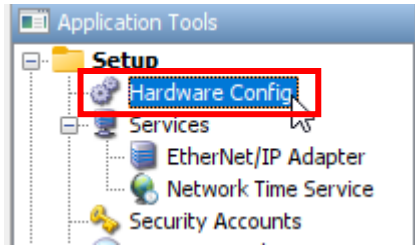


IronHorse ACG

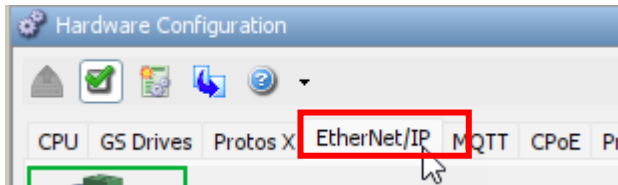
Productivity Implicit Messaging Sample Quick Start

Section 1 – Changing Drive IP Address in the Productivity Project

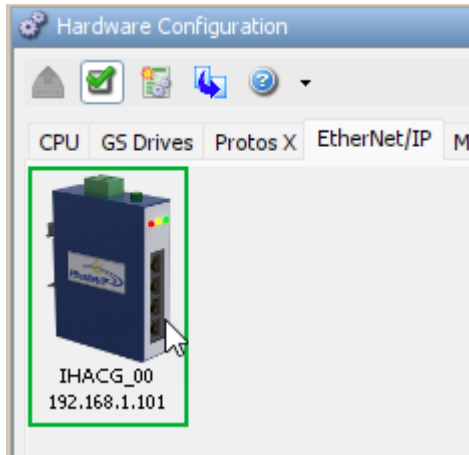
Step 1: Double Click ‘Hardware Config’ in the Application Tools window.



Step 2: Select the ‘EtherNet/IP’ tab.



Step 3: Double click on “IHACG_00”.



Step 4: Set the IP address of your IronHorse ACG Drive. Press OK when done.

Pro

EtherNet/IP Client Properties

✕

Device Name

IHACG_00

Target IP Address

192.168.1.101

IP

Tag

TCP Port Number

44818

▼

...

☐ Encapsulation Inactivity Timeout

30

secs

☐ Swap Byte Order

☒ Use Structure

IHACG_EIP_00

▼

...

TCP Connected

TCPConnected

▼

...

Adapter Name

AdapterName

▼

...

Vendor ID

VendorID

▼

...

TCP/IP Error

TcpIpError

▼

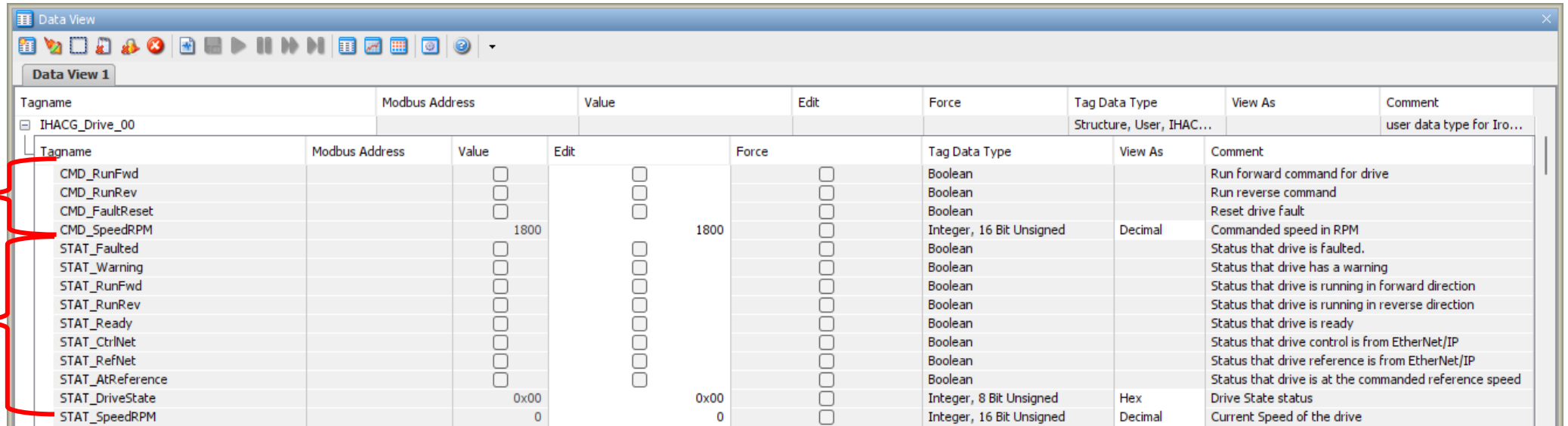
...

Section 2 – Program Tag for Drive Control and Status

- The sample program has a tag called “IHACG_Drive_00” that is used for status and control.
- This variable can be used from new tasks created by the user or from the Data View window.

Drive
Commands

Drive Status



Data View 1							
Tagname	Modbus Address	Value	Edit	Force	Tag Data Type	View As	Comment
IHACG_Drive_00					Structure, User, IHAC...		user data type for Iro...
Tagname	Modbus Address	Value	Edit	Force	Tag Data Type	View As	Comment
CMD_RunFwd		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Run forward command for drive
CMD_RunRev		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Run reverse command
CMD_FaultReset		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Reset drive fault
CMD_SpeedRPM		1800	<input type="checkbox"/>	1800	Integer, 16 Bit Unsigned	Decimal	Commanded speed in RPM
STAT_Faulted		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive is faulted.
STAT_Warning		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive has a warning
STAT_RunFwd		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive is running in forward direction
STAT_RunRev		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive is running in reverse direction
STAT_Ready		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive is ready
STAT_CtrlNet		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive control is from EtherNet/IP
STAT_RefNet		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive reference is from EtherNet/IP
STAT_AtReference		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boolean		Status that drive is at the commanded reference speed
STAT_DriveState		0x00	<input type="checkbox"/>	0x00	Integer, 8 Bit Unsigned	Hex	Drive State status
STAT_SpeedRPM		0	<input type="checkbox"/>	0	Integer, 16 Bit Unsigned	Decimal	Current Speed of the drive