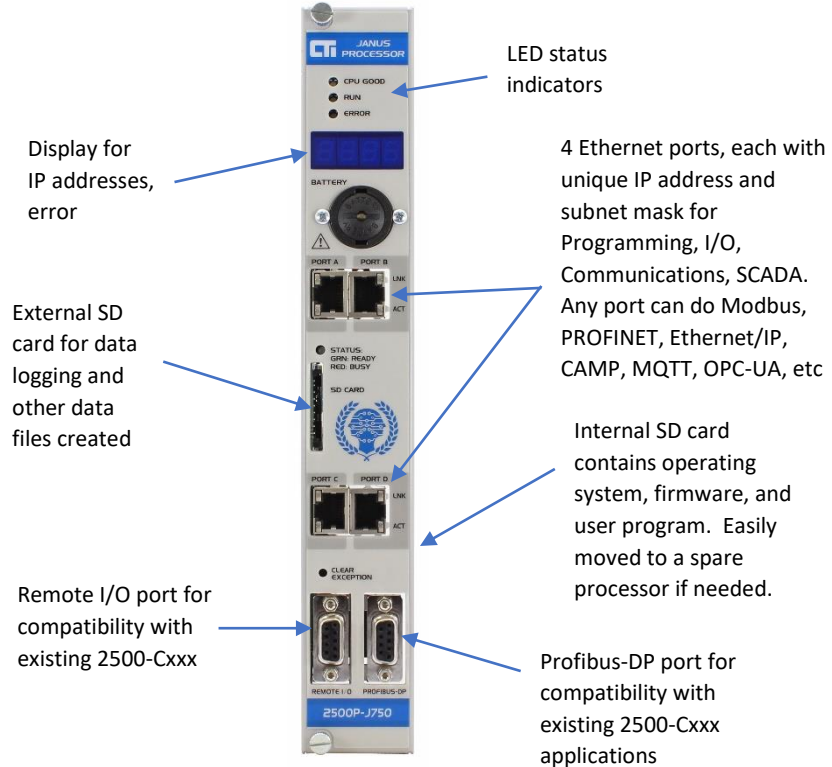# Introducing the CTI 2500 Series® Janus PAC

Looking from the past to the future to ensure seamless control for life

Who is Janus?

The Roman god of bridges, gateways, and transitions, Janus is depicted with two faces symbolizing his ability to look to both the past and the future.

Like the Roman god, **our Janus PACs are designed to look to both the past – to work seamlessly with existing Siemens/TI 505® and CTI 2500 Series® systems – as well as to look to the future with state-of-the-art programming, protocols and capabilities**, including direct access to the Industrial Internet of Things (IIoT) using MQTT.

CTI's Janus PACs offer "gateways" to a wide variety of protocols, allowing you to communicate with best-in-class I/O, drives, and HMI/SCADA, no matter their manufacturer.

LED status indicators

Display for IP addresses, error

4 Ethernet ports, each with unique IP address and subnet mask for Programming, I/O, Communications, SCADA. Any port can do Modbus, PROFINET, Ethernet/IP, CAMP, MQTT, OPC-UA, etc

External SD card for data logging and other data files created

Internal SD card contains operating system, firmware, and user program. Easily moved to a spare processor if needed.

Remote I/O port for compatibility with existing 2500-Cxxx

Profibus-DP port for compatibility with existing 2500-Cxxx applications

Features

- Up to 10x execution speed compared to current 2500 Series CPUs
- Programming is done using CTI's Janus Workbench Software ("JSoft") development package which includes all IEC-61131 languages (SFC, FBD, LD, ST and IL)
- Built-in Remote I/O and Profibus interfaces with support for all existing 2500 Series discrete and analog modules
- External SD card for user backup and file transfer while in RUN mode
- Four Ethernet ports with internal switch that supports simultaneous connection to four different Ethernet networks
- Embedded HMI function to easily create and view graphics screens for local operator interface directly from the PLC
- Extensive built-in communications capabilities:
    - Optimized peer-to-peer communications with all CTI CPUs and the ACP1
    - CAMP server for HMI/SCADA access
    - CAMP client for communicating with CTI 2572/2572-x and Cxxx processors
    - Open Modbus client and server
    - EtherNet/IP Scanner/Adapter/Tag Client/Server
    - MQTT client for direct access to the IIoT
    - OPC-UA server (available shortly after initial product release)
    - Profinet controller and device (available in 2020)