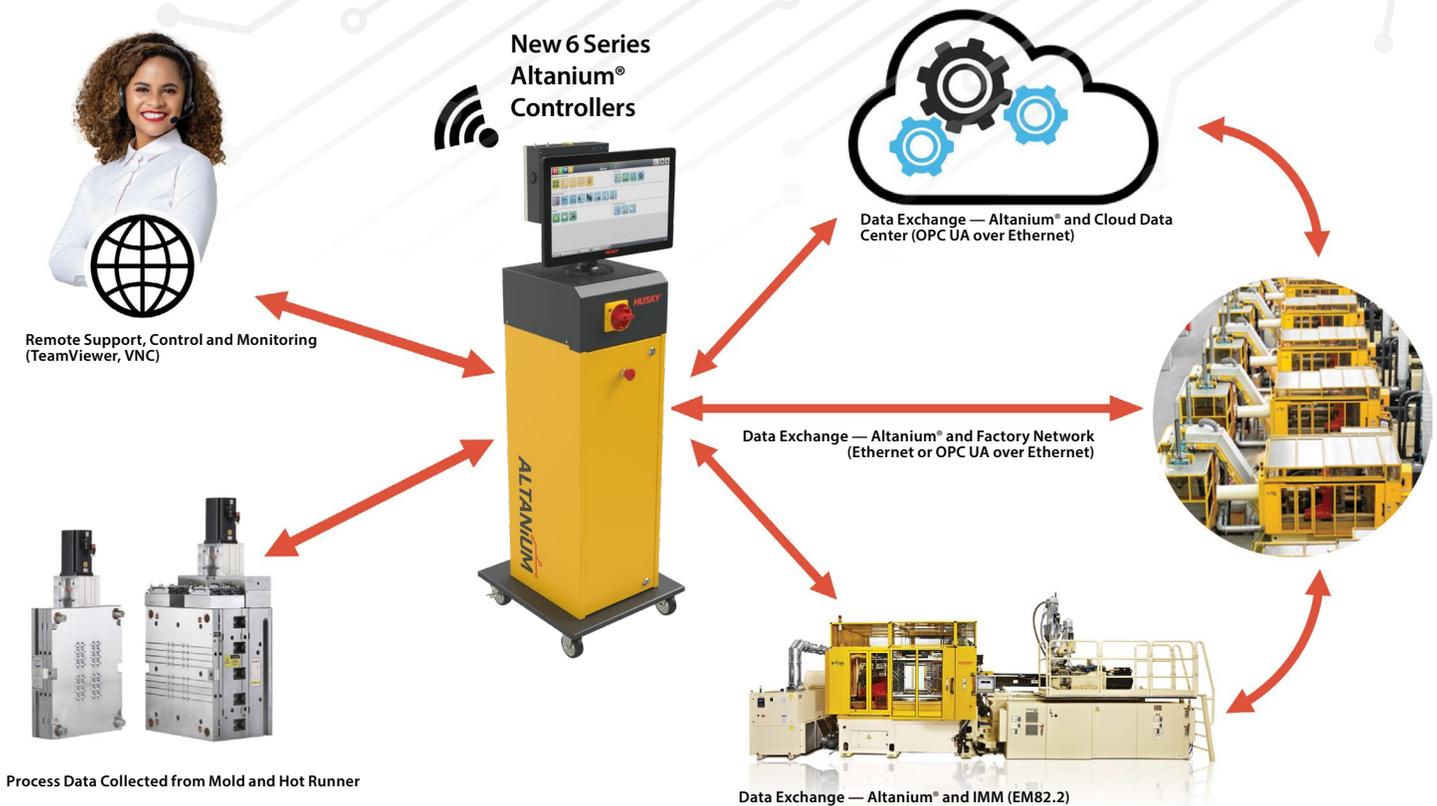# Altanium® Connectivity

New 6 Series Altanium® Mold Controllers support several methods of connecting to a network, interfacing with an injection molding machine, or exchanging data with process control and manufacturing execution systems.

Connectivity and data collection are valuable because of the potential to enable faster and better decision making. Furthermore, connecting devices on the plant floor can help eliminate inefficiencies to save time and money. No matter where you are on your path to digital transformation or the adaption of connected technologies, New 6 Series Altanium® Controllers are now **Industry 4.0** and **IIoT** ready with an available OPC UA server, Euromap 82.2 machine interface and Virtual Network Computing (VNC).

OPC UA Server

The OPC UA Server can interface with a manufacturing plant's process or production monitoring systems utilizing readily available third-party client applications that support the OPC UA data exchange standard. This interface allows the user to read, write, and collect data using an approved Industry 4.0 solution for improving overall equipment effectiveness and produce higher quality parts faster at the lowest possible cost.
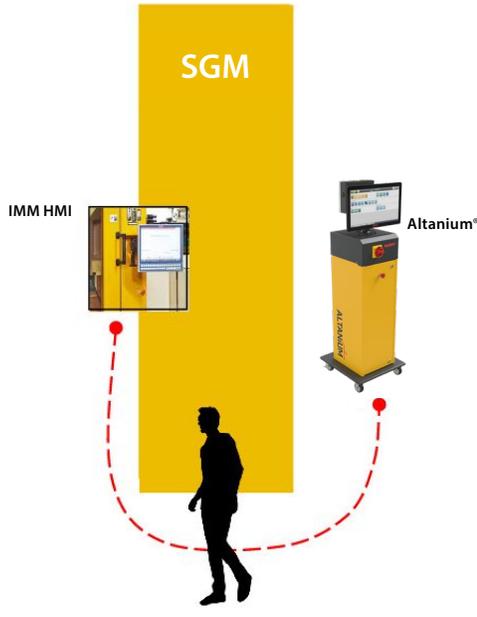

New 6 Series Altanium® Controllers

Data Exchange — Altanium® and Cloud Data Center (OPC UA over Ethernet)

Remote Support, Control and Monitoring (TeamViewer, VNC)

Data Exchange — Altanium® and Factory Network (Ethernet or OPC UA over Ethernet)

Process Data Collected from Mold and Hot Runner

Data Exchange — Altanium® and IMM (EM82.2)

Euromap 82.2 Injection Molding Machine Interface

The Euromap 82.2 (EM82.2) Injection Molding Machine Interface connects to any injection molding machine (IMM) that supports the EM82.2 interface for hot runner controllers. Based on the OPC UA data exchange standard, the IMM can read, write, and collect data on the New 6 Series Altanium® Controllers directly from its operator interface. In addition to providing remote control, this technology allows the machine to consolidate molding data and push it upstream for further analysis.

Virtual Network Computing (VNC)

VNC is a technology that allows the New 6 Series Altanium® Controllers screens to be shared and controlled from an injection molding machine's operator interface. This remote access enables the machine to become the central point of control for the entire injection molding cell. VNC increases productivity by reducing movement between different devices critical to the molding processes.

Conventional Layout

Layout with VNC

Available Altanium® Connectivity Technology

Connectivity Solution	Data Collection	Read Data	Write Data	Remote Support	Neo6®	Delta6®	Matrix6®
Auto File Transfer to Network File Share	✓	✗	✗	✗	✓	✓	✓
OPC UA Server	✓	✓	✓	✗	✓	✓	✓
Shotscope NX™ Interface	✓	✓	✗	✗	✗	✓	✓
TeamViewer Interface	✗	✗	✗	✓	✗	✓	✓
Virtual Network Computing (VNC) Server	✗	✗	✓	✗	✗	✓	✓
Euromap 82.2 Injection Molding Machine Interface	✓	✓	✓	✗	✓	✓	✓
SPI Injection Molding Machine Interface	✓	✓	✓	✗	✗	✓	✓
Modbus TCP Server	✓	✓	✓	✗	✓	✗	✗
Wired Network Connection	✗	✗	✗	✗	✓	✓	✓
Wireless Network Connection	✗	✗	✗	✗	✗	✓	✓