

Branson™ Data Interface Gateway (DIG)

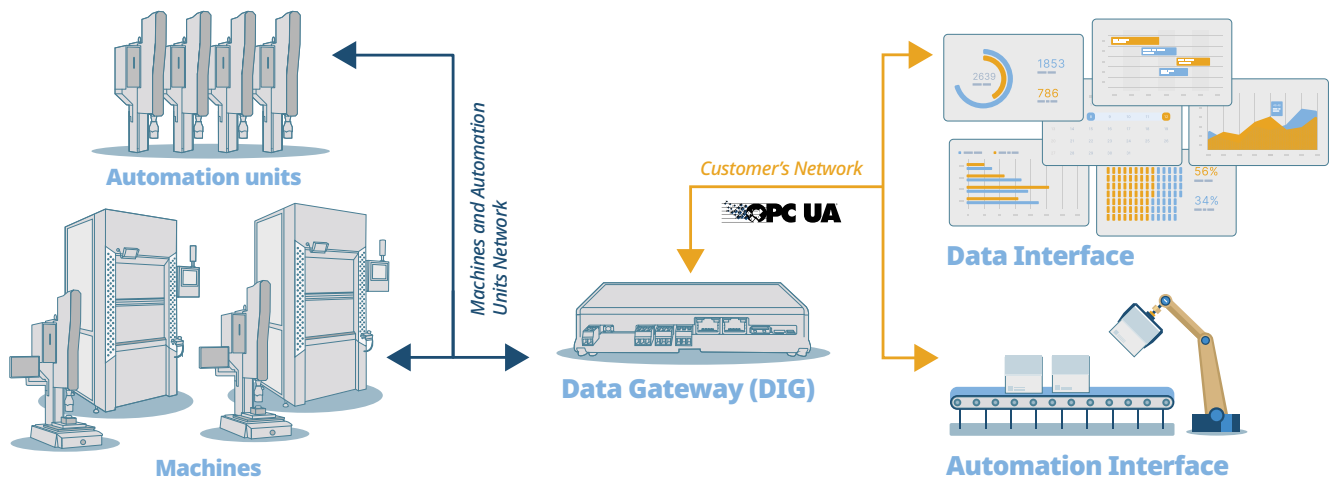
Data Interface Gateway (DIG) is the data and control interface between Branson welding machines (OT network) and machine user's production system (IT network).

Data Interface Gateway is a data server which automatically recognizes connected Branson solutions and provides status information and process data from all machines. DIG also includes an automation interface to control the machines operation by commands from the IT network.



Networking

Data Interface with DIG



Specifications

| | |
|--|--|
| Dimensions | (H x W x D) 90 x 160 x 40 mm |
| Mechanical | Plastic housing, Din rail-mountable IP20 - Protection against solid bodies or touch |
| Power supply | 24V DC (7V-40V) |
| Power consumption | 60mA at 24V DC |
| Environmental Temperature Range | Operating range: -40°C up to +60°C Storage range: -40°C up to +60°C |
| Interface | Ethernet 2x RJ-45 |
| Certification | CE (EN 61000-6-4, EN 61000-6-2) |

Functional specification

| | |
|-------------------------------------|---|
| Interface to machines | Branson machines network (proprietary connection) |
| Machines Connected | Max. 10 * |
| Data & Control Interface | OPC-UA server |
| Data from machines | Status and process data, 10 data records 20 values, per machine Status words (automation interface, machines control) Status data (automation interface, 3 configurable values per machine) |
| Data to machines | Control words (automation interface, machine control) |

* Number of connected machines has impact on communication response time

For more information:
www.Emerson.com/Branson

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