

**Move up to higher productivity**



**with Advant Controller 460**

# Shift into top gear with Advant Controller 460

StepUp is program of ABB's for upgrading older process control equipment to the latest Advant OCS solutions at particularly favorable terms. The theme of this program varies from time to time; this time the turn has come to users of MOD 300 Model B and SC Controllers to upgrade to the latest Advant Controller 460 process controllers, including S100 I/O and S800 I/O, at substantially reduced prices.

You gain *performance*; more power in a smaller footprint plus modularity and redundancy to meet your needs. For instance, an AC 460 module can replace approximately 8 Model B controllers or 3 SC controllers.

You gain *functionality*; StepUp includes access to new process interfaces and reuse of existing application programs, cabinets and process I/O terminations.

You *save money*; StepUp includes:

- upgrade to the latest version of Advant Controller 460 at a fraction of the normal price, regardless of how old your existing MOD 300 controllers are.
- transfer of existing software licenses to the new software platform.
- reduced maintenance costs and improved reliability.
- further saving on future software upgrades by subscription to the ABB Software Advancement Program (described further on).

## More control power

Advant Controller 460 is a high-performance, high-end process controller that supports the full range of hardware and software options. The controller comes with an 8 or 16 MB processor module, Communication Interface, I/O Interface, a power supply system in a wide range of combinations to adapt to your application needs, and with optional full redundancy.

Applications developed on other Advant OCS subsystems can be executed on the



Advant Controller 460 installed in a floor-standing cabinet together with S100 I/O.

Advant Controller 460. The ability to mix, match and execute control strategies simultaneously, in common hardware, offers uncompromising versatility to meet today's processing requirements.

Other features:

- The capability to hold up to three non-redundant CPUs or three redundant pairs of CPUs,
- Up to 16 MB of application memory per dedicated CPU,
- Optionally full 1:1 redundancy,
- Diagnostic module support,
- Distributed Communications Network (DCN),
- TRIO LAN interface,
- Advant Fieldbus 100,
- Modbus Plus - up to 30 devices,

Right: The S800 I/O system communicates with the parent AC 460 controller over the high-speed Advant Fieldbus 100. The units of the system are small enough and rugged enough to be installed in the field.



- Modbus Multidrop - up to 6 devices,
- Smart Platform (AccuRay),
- Support for existing CCF, TCL and TLL control languages,
- Easy upgrading of communication protocols, drivers, and applications,
- Transferability of applications from MOD 300 Model B and C controllers.
- AdvaCommand and AdvaBuild support.

### Series 100 local process I/O

Features:

- Fully redundant communications,
- Integral intrinsic safety (ELON 2000) isolators,
- Field connections and I/O terminations can remain intact,
- Existing I/O cables plug directly into the S100 I/O conversion panel.

### Series 800 remote process I/O

Features:

- Optical ModuleBus expandability (12 modules per cluster, 7 clusters per FCI, up to 200 m (656 ft.),

- Fully redundant communications with AC 460,
- Expanded I/O family with continuous development of I/O device types,
- Existing I/O cables plug directly into the S800 I/O interface cable,

### Software for tighter control and higher performance

All Advant Controllers with MOD 300 software are designed to work together in an integrated system.

Applications are transferable to Advant Controller 460 from MOD 300 Model B and SC Controllers using Advant OCS subsystems with Engineering & Configuration tools.

Thanks to the integrated, modular hardware and software configuration, it is easy to upgrade communication protocols, drivers and application programs without affecting other parts of the system.

### StepUp, the easy way to take the lead

Exploring the StepUp offer in greater detail is easy; simply call your nearest ABB representative and let him/her know what your existing system looks like. Then allow a few days for a detailed offer. If you accept (which we are all but certain you will), then new controllers will be ordered for you. When they arrive you have 60 days in which to phase them in and the existing ones out. Then, and only then, are you obliged to return the old equipment.

Everything that can be done ahead of time to smoothen the transition will be done, but should you still want assistance during the switch for safety's sake, ABB will be there to give you a hand.

But don't mull on it for too long; the offer won't stand for ever!

## ABB Software Advancement Program, the easy way to keep that lead

ABB Software Advancement Program (ASAP) is a subscription scheme under which users obtain new versions of the software they are using as they become available. The program:

- keeps your Advant OCS at the forefront of functionality and performance at all times.
- contributes to getting the most out of your production plant.

- keeps your system maintenance costs low and budgetable.

All with minimum effort on your part.

### A perfect win-win situation

As with every worth-while business deal StepUp makes both parties win. What you gain we have spent the better part of this paper describing. What we gain is market reputation, by having customers evaluating us and our products on the basis of our latest achievements, and simplified technical support of users. A perfect win-win situation and a perfect basis for cooperation, wouldn't you say?

**Act now!**  
There will never be a better time



To arrange a personal consultation, call ABB Automation at the office nearest you:

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