



FEBRUARY 2017

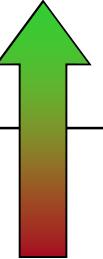
# **Symphony Plus Control & I/O**

## General Product Update & Roadmap

Wayne Stefancin

# Product life cycle status

## Controllers

Active	Class: Controller	Product Family	Remarks
Classic		HR Series (Harmony Rack) BRC	<p>Represents the latest version of Harmony Rack controllers and includes: SPBRC300, SPBRC400, and SPBRC410. These controllers provide simultaneous support for HR Series I/O (and previous rack generations), SD Series I/O (including support of PROFIBUS, HART I/O), block, and S800 I/O. MODBUS TCP devices are supported via the BRC410 only.</p> <p>*Harmony Rack (Grey) alternatives of the BRC300 and BRC400 (P-HC-BRCxxx) moved to “Limited” in Jan 2015 per the life cycle policy (form / fit / function replacement). Additionally, the HPG800 is replaced by the BRC410 and moved to “Limited” in 2014 (form / fit / function replacement).</p>
Limited		HAC	<p>Recommend evolution to SD Series controller HPC800. HPC800 has 30,000 Function Block capacity and preserves existing HAC control logic configurations including support for all existing function code executions, custom user programs, and foreign device interfaces.</p>
Obsolete		MFP, MFC, AMM, LMM & COM	<p>Recommend evolution to HR Series controllers (BRC300 / 400 / 410). For AMM, AOM, COM, and LMM, controllers can be replaced by BRC controllers with appropriate I/O processing modules and consolidation of logic into the BRC.</p> <p>*MFP12 moved to “Limited” in 2011.</p>

February 27, 2017

# Symphony Plus Control & I/O

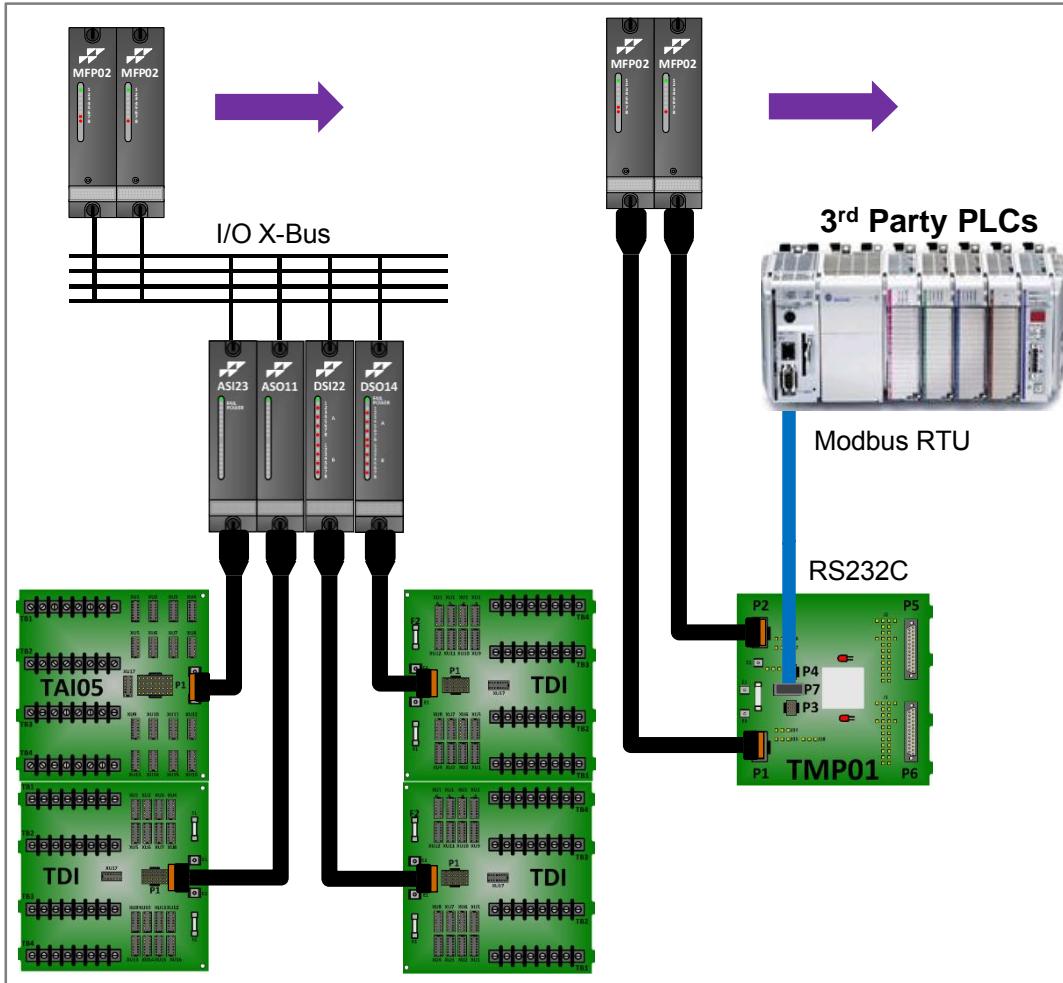
## BRCA10



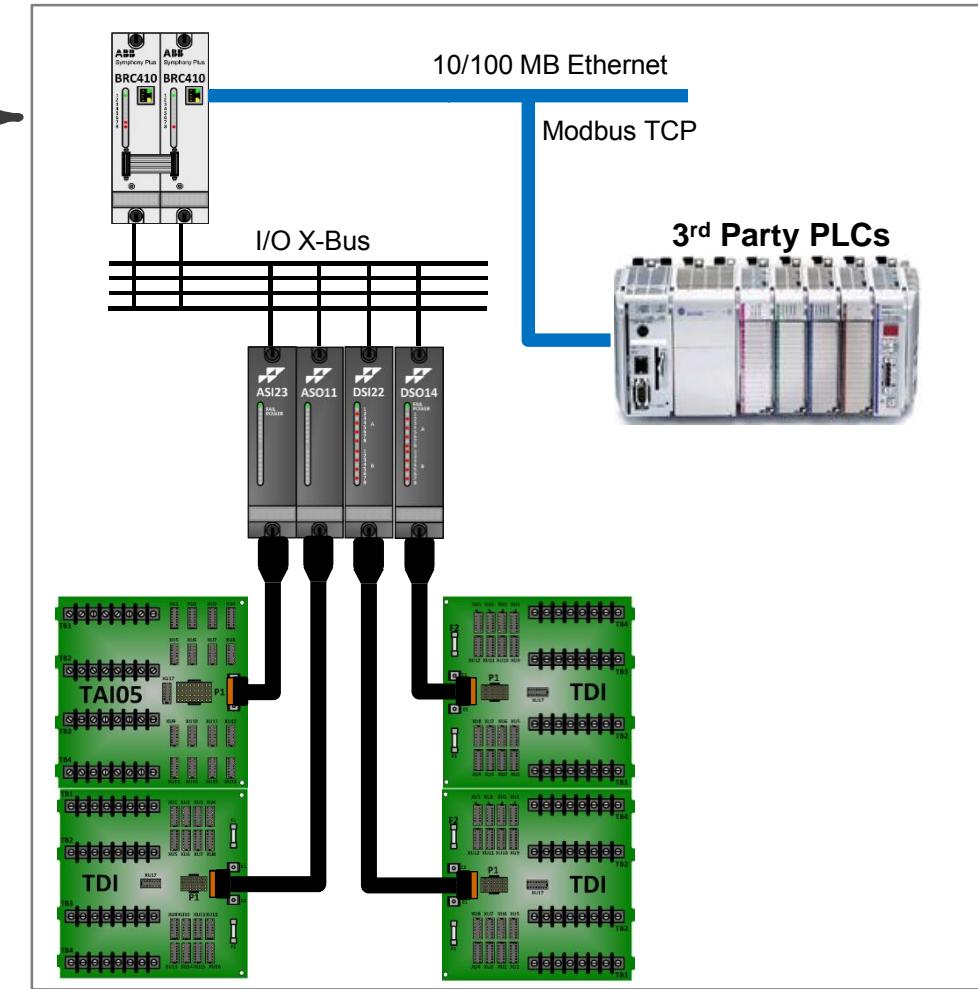
- Performance increase depends on specific function blocks used, but in general performance of latest module (BRC410) compared with older modules:
  - ~ 10x vs. MFP01/02/11/12
  - ~ 4x vs. BRC100/200
- Enhanced On-Line Configuration provided by BRC410
- BRC410 also provides ModBus TCP
- BRC410 support 30,000 block addresses and 4,000 Modbus TCP/IP points
- Infi90 Modulebus support\*
- Downloadable firmware

# HR Series: Merge multiple MFP's BRC410 Bridge Controller

*Existing System ~ 20+ years old*

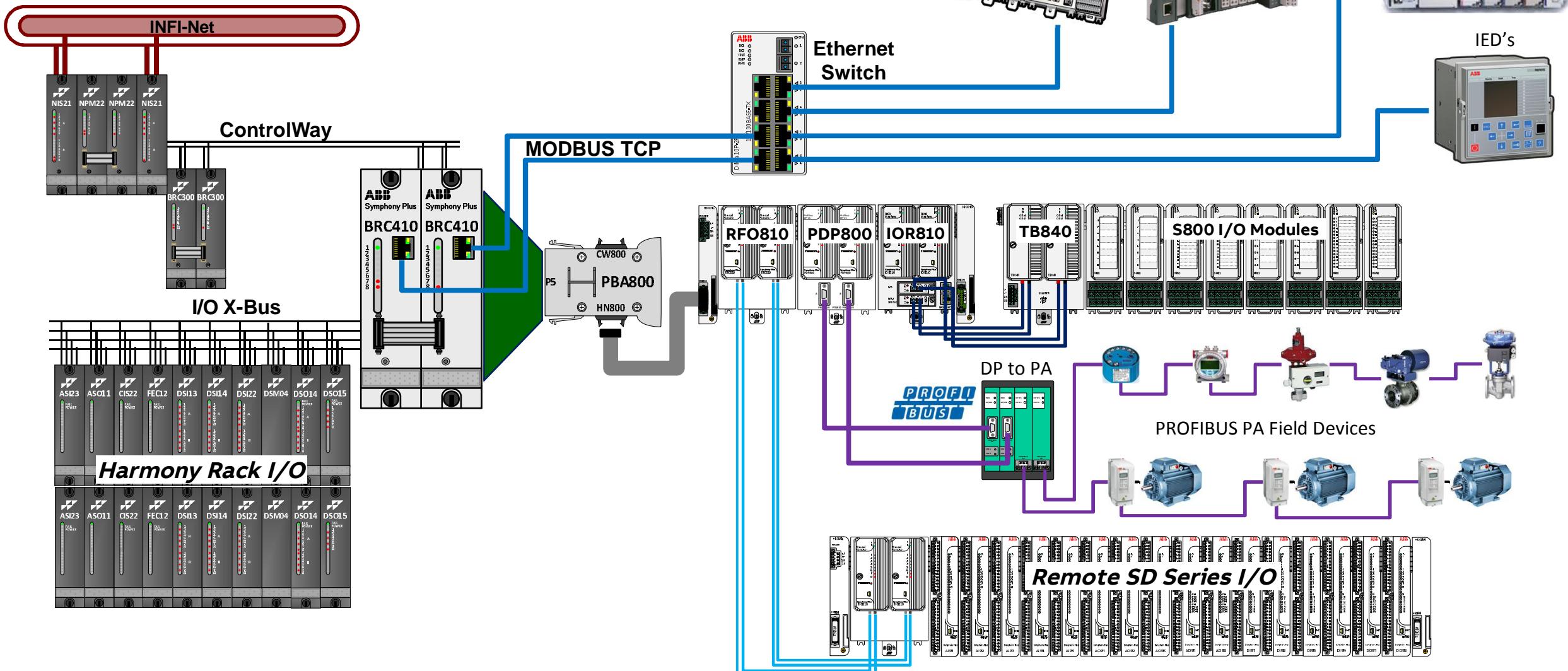


*Upgraded System*



*\* BRC410 ≈ 10x performance of MFPxx*

# HR Series: BRC410 Bridge Controller



# Symphony Plus S+ Control & I/O Rack: New Faceplates



- **S+ Rack Modules**
  - White Front Plates
  - Module Nomenclatures: SPxxxx

