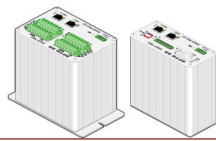


SNAP PAC MEMORY USAGE TECHNICAL NOTE



SNAP-PAC-S1
SNAP-PAC-S2



SNAP-PAC-R1
SNAP-PAC-R2

Volatile

All volatile memory is cleared after power loss or reboot.

Physical = 32 MB

Firmware and Memory Map Operation

~2.5 MB User File Storage

Strategy Operation
(includes strategy logic, subroutines, and all strategy database tags)

~16 MB

~ Numbers are approximations and may change with firmware releases.

Non-volatile

(Not affected by power loss)

Battery-backed RAM

(Has no write limit)

Physical = 8 MB

Persistent variables and variables initialized on download

~7 MB

Flash

Flash memory has a finite write limit. Caution should be used when writing to Flash: Do not write to Flash in a repeating loop.

Physical = 16 MB

Firmware

~2.5 MB User File Storage

Strategy Storage

~7.5 MB

Includes strategy logic, subroutines, and all strategy database tags.

Physical = 16 MB

Firmware and Memory Map Operation

~2 MB User File Storage

Strategy Operation
(includes strategy logic, subroutines, and all strategy database tags)

~4 MB

Physical = 2 MB

System data and flags such as Strategy Autorun

Persistent variables and variables initialized on download

~1MB

Firmware and Memory Map configuration are loaded from Flash when the controller is turned on.

System data and flags such as Strategy Autorun

Firmware and Memory Map configuration are loaded from Flash when the controller is turned on.

Physical = 8 MB

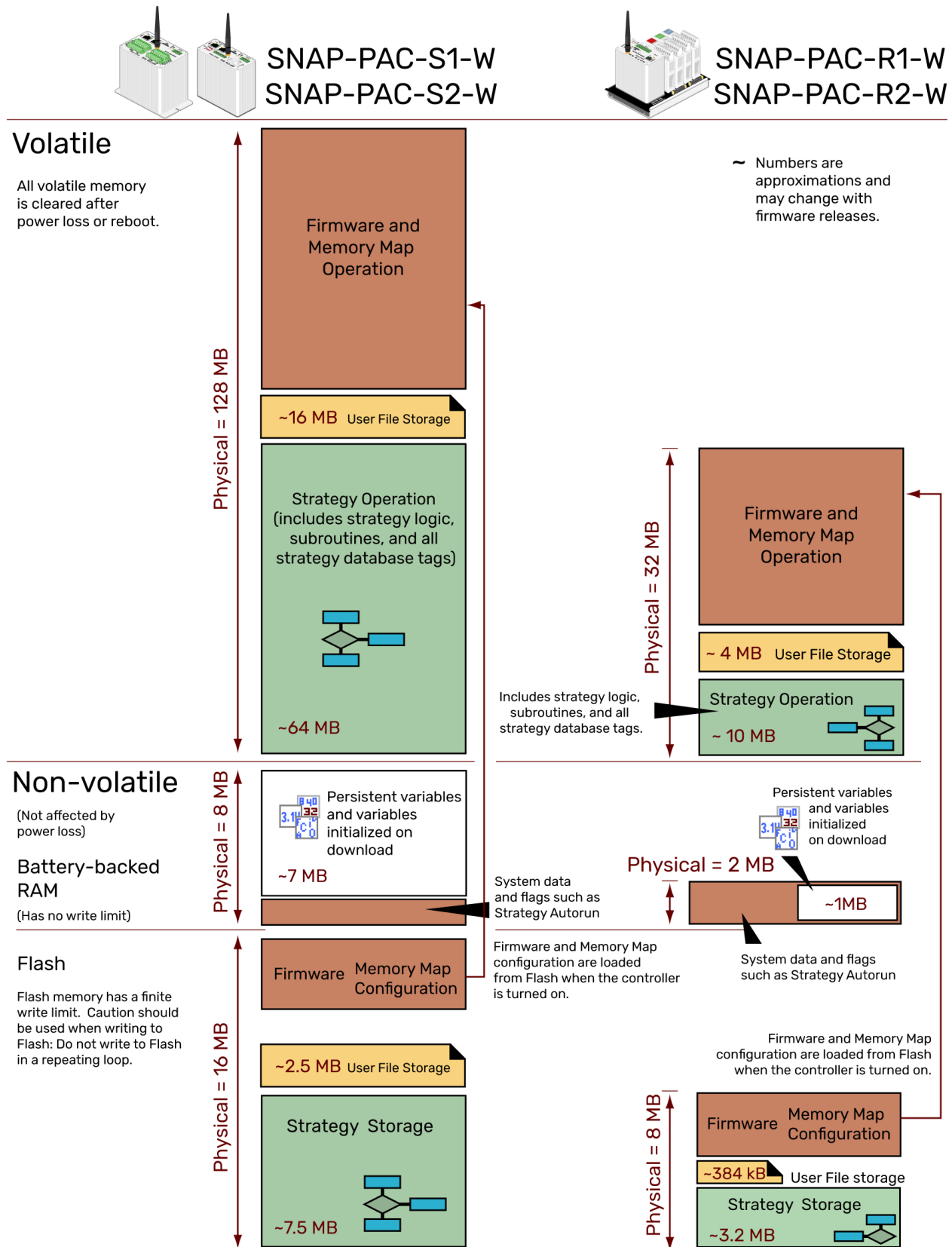
Firmware Memory Map Configuration

~384 kB User File storage

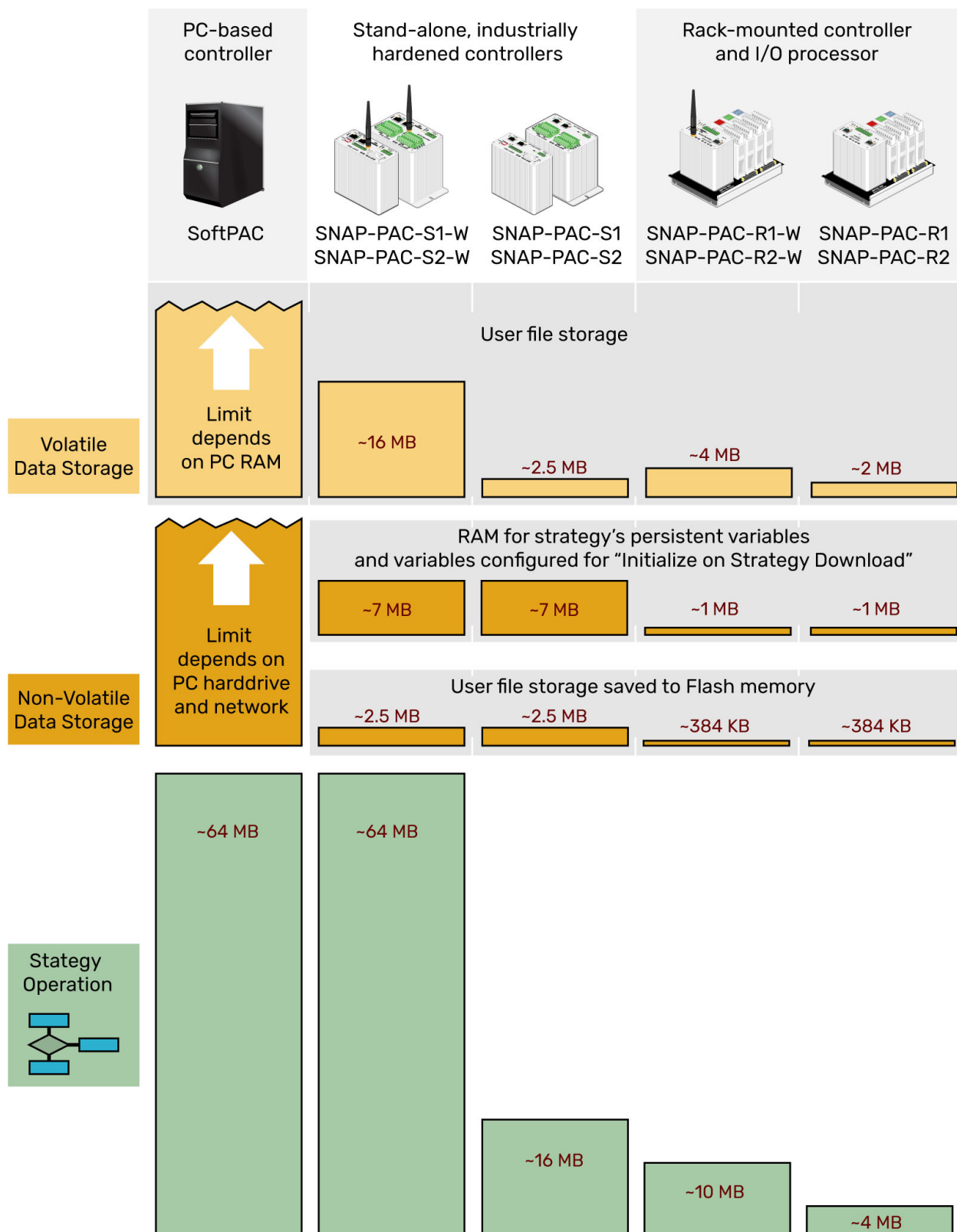
Strategy Storage

~3.2 MB

For additional comparisons, see the SNAP PAC Controller and Brain Comparison Chart (form #1677).



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