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ControlLogix 1756-ENxxx V3.x performance increase FAQ

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Version 3.x FAQ on capacity increase:

Where Can I download the 3.x firmware to get the performance increase?

The latest firmware is available on the website at:

<http://support.rockwellautomation.com/ControlFlash/>

Which products can be upgraded to get the capacity increase?

1756-EN2T, 1756-EN2TR, 1756-EN2TXT, 1756-EN2F can be upgraded to version 3.x to take advantage of the additional capacity. The update will be available for any series or firmware level of these products. The 1756-EN3TR will begin shipments with the 3.x version of firmware, so no upgrade will be needed.

Will the new 3.x firmware be a free download?

Yes it will be available at no charge

What is the typical performance increase that will be seen over a module with 1.x or 2.x firmware?

A typical application will see an increase from 10,000 pps with a 1.x or 2.x module to 20,000 pps with the 3.x firmware. Potential exceptions to this will include: motion control application (CIP Motion), applications with large produce/consume tag arrays, on track optimized connection

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How can I determine the packet sizes used in my application?

Once the connections are running, this information can be accessed from the "bridged connections" page on the web browser of the 1756-EN2T (F) (R) (XT) modules.

Will the EtherNet/IP capacity tool account for this increase in capacity?

The update is scheduled to be available by the end of March 2010

Where can I get the EtherNet/IP capacity tool?



<http://www.rockwellautomation.com/solutions/integratedarchitecture/resources3.html>

===== Internal Only Section =====

Also see internal only technote [67143](#)
([//rockwellautomation.custhelp.com/app/answers/detail/a_id/67143](http://rockwellautomation.custhelp.com/app/answers/detail/a_id/67143))

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Attachments

-  Performance Chart.pdf (</ci/fattach/get/34018/0/filename/Performance+Chart.pdf>) (7 KB)
-  CPU Capacity.pdf (</ci/fattach/get/34019/0/filename/CPU+Capacity.pdf>) (4.13 KB)

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