



ESTIMATE

Estimate Date: 12/18/2018

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ArtsWorcester

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Description:

There are two options in for the Qnap (which is the hardware I recommend for the NAS). I recommend the 4 bay, as it will allow you greater protection against drive failures, and easier upgrade options (for storage later on).

The hard drives are quoted in the estimate as if you are adding the same space, 4TB drives for the 2 drive bay unit (for a total of 4TB available), or 2TB drives for the 4bay unit (a total of 4TB available but 2 drives can fail with no loss of data, as opposed to 1 drive being able to fail on the 2 bay).

You could choose to purchase 4 x 4TB drives to put in the TS-451+ for a total of 8TB space with 2 redundant drives for failover, but based on what you've told me about your drive space usage, it's probably not necessary.

Description	Time/Quantity	Rate (USD)	Tax	Total
› Qnap TS-251+	1	\$ 330.00	No Tax	\$ 330.00
2-Bay Next Gen Personal Cloud NAS, Intel 2.0GHz Quad-Core CPU				
› QNAP TS-451+	1	\$ 450.00	No Tax	\$ 450.00
4-Bay Next Gen Personal Cloud NAS, Intel 2.0GHz Quad-Core CPU				
› Hard Drive - 2 bay NAS	2	\$ 120.00	No Tax	\$ 240.00
When selecting the Qnap TS-251+				
› Hard Drive - 4 bay NAS	4	\$ 81.00	No Tax	\$ 324.00
When selecting the QNAP TS-451+				

Description	Time/Quantity	Rate (USD)	Tax	Total
› Labor for NAS setup	3	\$ 100.00	No Tax	\$ 300.00

Though it is entirely possible that it could be done in 2 hours.

› Wireless Access points	5	\$ 100.00	No Tax	\$ 500.00
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Based on: 2500 on main floor, 100 sq feet administrative office, and a common area on that second floor.

<https://amzn.to/2SeyCy3>

› Switch	1	\$ 64.00	No Tax	\$ 64.00
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All of the network connects through this device. It's your 'traffic cop' that tells everything when to move through the network.

16 port - for VoIP phones. Minus ports for the 5 wireless access points and 1 for the router, will net a result of 10 ports (assuming the company that is wiring creates 10 in-wall ports. If they are setting up more than that, please inform me and I will alter this item needed).

<https://amzn.to/2V3znvH>

› Router	1	\$ 60.00	No Tax	\$ 60.00
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Unifi EdgeRouter X

<https://amzn.to/2SdybnN>

› CAT 5e Cable	2	\$ 9.00	No Tax	\$ 18.00
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2x - 10 pack of 3 ft CAT 5e cable. We may only need 1x 10 pack. This is to connect the cable drops/panel to the switch (the construction company is probably putting cables into plates in the wall and running them to one central location, to a wall panel).

<https://amzn.to/2Gx2DIk>

› Labor @ new building	6	\$ 100.00	No Tax	\$ 600.00
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Setting up 5 wireless access points, setting/wiring up the new switch and router, testing.

Subtotal: \$ 2,886.00

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