NOTIFIER® by Honeywell

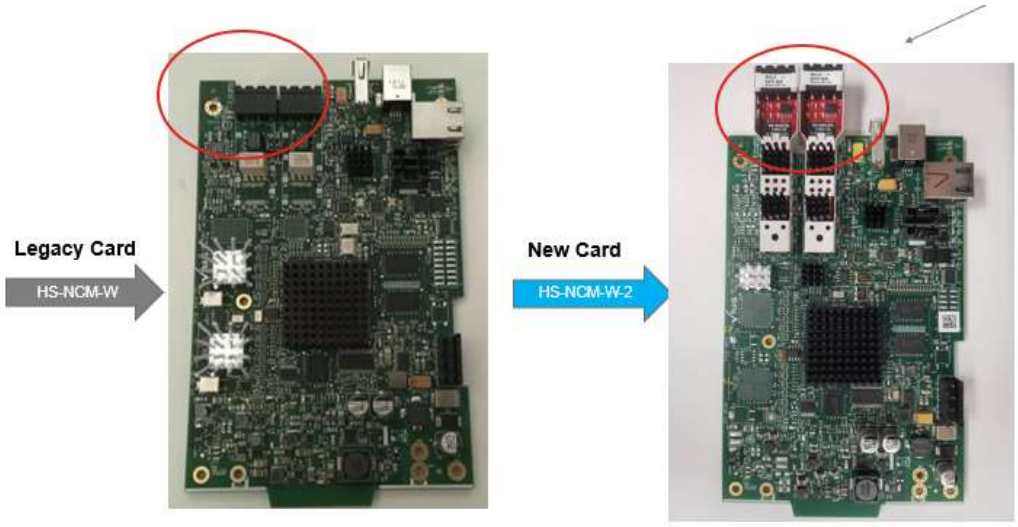
HIGH SPEED MODULES - Frequently Asked Questions (FAQs)

IMPORTANT!!!:
WHEN UPDATING THE SOFTWARE FOR THE NEW HIGH-SPEED MODULES (-2 SKUs) FROM MAJOR VERSION 30.XXX.XXX TO VERSION 31.XXX.XXX PLEASE UPDATE THE KERNED (*.knl) FIRST, THEN UPDATE THE APPLICATION (*.app).

Mechanical and Installation Questions

1. What are the differences between the old modules and the new modules?

The new modules (-2) communicate on BroadR-Reach® protocol, while the legacy modules utilize VDSL protocol. To enable them to communicate with each other the RJ45 port should be utilized. In addition, the new modules will have a Small Frame Pluggable (SFP) module that adds 1.75” to the height of the module. See picture below.



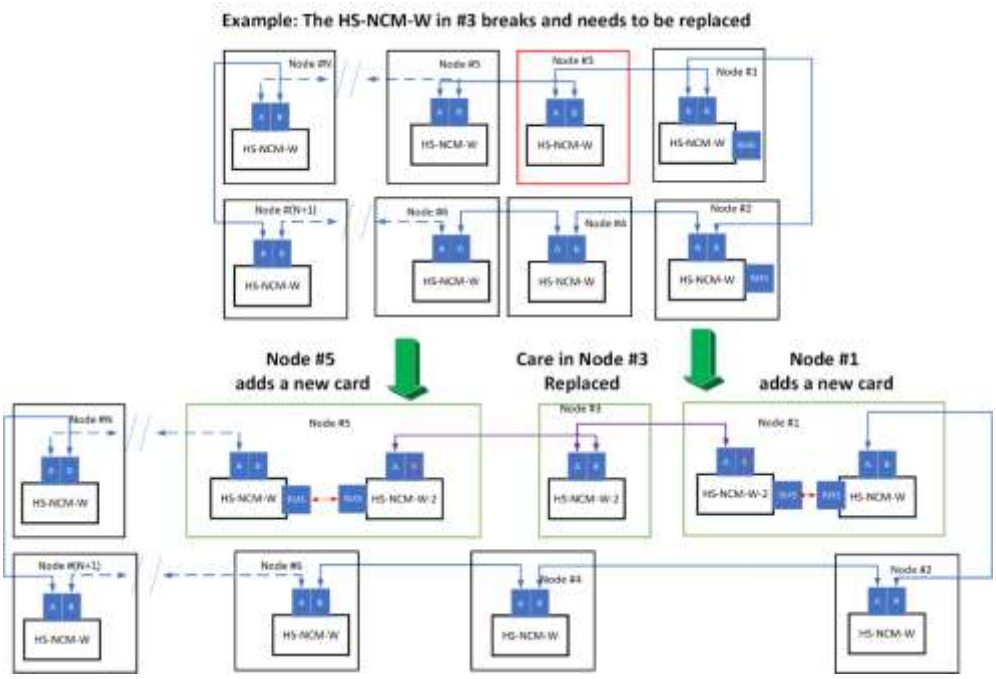
2. Are the stand alone boxes still available?

Yes. Please refer to datasheet.

3. What do I need to do if an old module breaks and needs to be replaced?

Refer to the diagram below. In this example the module in Node 3 breaks and needs to be replaced. Legacy modules are referred to as HS-NCM-W; and the new modules as HS-NCM-W-2:

a. The legacy module labeled as HS-NCM-W #3 on the top diagram is removed and replaced with three (-W-2) new modules.
b. Each adjacent node will now contain one legacy module plus one new module.
c. Each adjacent module must utilize the RJ45 port to establish communication between the legacy and the new module.

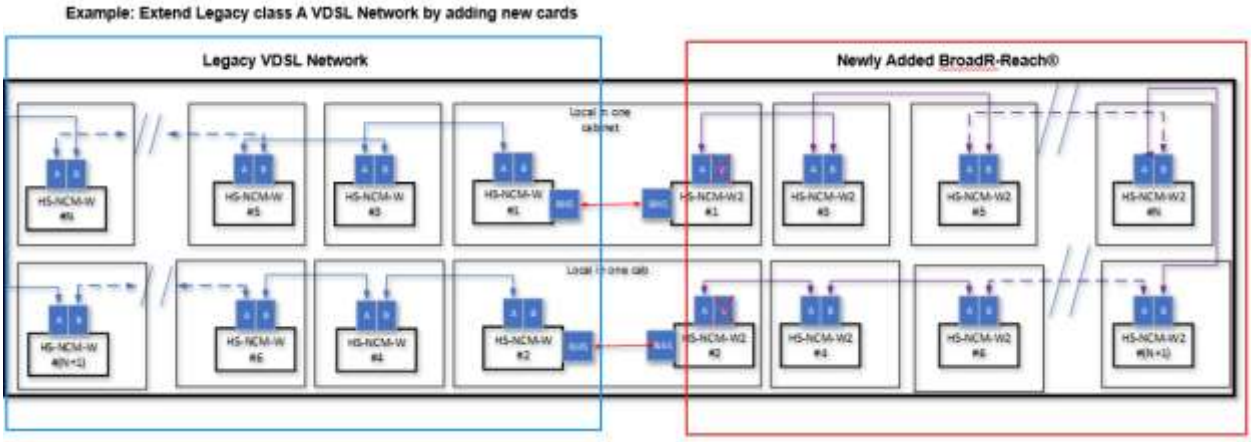


Note: For programming details, please refer to Section 6.3.1 of High-Speed Network Communications Module Product Installation Document.

4. What do I need to do if a current installation needs to be expanded with new modules?

Refer to the diagram below. In this example a legacy VDSL class A network, will be extended with new modules:

- The RJ45 port must be used to establish communication between the legacy and the new module.
- Channel B on the new (-W-2) module should not be used. The RJ45 port is taking the place of Port B.
- Port B on the new module becomes inactive.



Note: For programming details, please refer to Section 6.3.2 of High-Speed Network Communications Module Product Installation Document.

5. Is there a HS-NCM-WSF-2 card that is directly compatible with HS-NCM-W-2?

Yes, there is HS-NCM-WSF-2, which is directly compatible with HS-NCM-W-2.

6. If yes, is the HS-NCM-WSF-2 card compatible with the older version of HS-NCM-SF?

Yes. It's just a fiber to fiber communications.

7. How do new installations work?

New installations that require only the new modules are installed the same way as the legacy modules.

8. Are there any changes in the number of nodes that can be supported with the new module?

No. There are no changes in the number of nodes supported.

9. What is the distance the RJ45 port supports?

20 feet.

10. How is the module going to be powered?

It is powered as a HS-NCM-W would be powered.

11. What wire types and lengths will the new modules support?

Wire Type	Maximum Distance
Genesis 4050 (18 AWG, twisted-pair, unshielded) FPL	**1500 ft. (457.2 m.)**
Genesis 4431 (18 AWG, twisted-pair, unshielded) FPLR	**1000 ft. (304.8m.)**
Genesis 4433 (14 AWG, twisted-pair, unshielded) FPLR	**1500 ft. (457.2 m.)**
Genesis 4631 (18 AWG, twisted-pair, unshielded) FPLP	**2000 ft. (609.6 m.)**
Genesis 4633 (14 AWG, twisted-pair, unshielded) FPLP	**1500 ft. (457.2 m.)**
Belden 5320UM (18AWG, twisted-pair, unshielded) FPLR-CI	**1000 ft. (304.8)**
Belden 5320UJ (18 AWG)	**2000 ft. (609.6 m.)**
Comtran 38696 (18 AWG)	**1000 ft. (304.8m.)**
AK3702	**1500 ft. (457.2 m.)**
Lake 14/1PR NS LL5 150	**1500 ft (457.2 m.)**

12. What type of ethernet cable is used? (straight through or cross-over)

Cat 5, Cat 5e and Cat 6 are all supported. Both straight through and cross-over cable are supported as well.

13. Are there any panel firmware, or module firmware, updates needed?

- There is no need to update the panel firmware.
- In the case of adding new modules to an installation with legacy modules (see question #2), the two adjacent (legacy) modules that utilize the RJ45 port must be updated with the newly released software V0.31.000 or higher for both application and kernel code. This will enable the RJ45 port to work on those legacy cards.
- Please download from ESD website.

14. Do I need to update the overall network?

No. Just the modules adjacent to the new (-2) modules.

15. Do I need a new version of VFT to operate these new modules?

Yes. If in the United States you will need VeriFire Tools 11.20 or higher version.
If outside of the United States you will need 10.80 or higher version as they become available.
Please download from ESD website.

16. Are there any different rules for Class B type installations?

No, there is not different rules for Class B type installation. Since Class B installation doesn't need to connect Port A of one of the HS-NCM wire modules, no Port A remapping is needed.

17. When the new module is acting as a bridge between legacy modules (current install) and new modules, will it take a NUP ID?

No. In the example presented in question #3, the new module will not take a NUP ID.

Listings

18. What Regulatory listings will the new High-Speed Network wire modules have upon release?

The new modules will be available with UL/ULC/FM/CSFM listing upon release. FDNY will be released as soon as it is available.

19. For the repeater card in question #3 what is the programming required? Does it need to be programmed as a “repeater”?

No programming is needed if it is not connected to a NUP or USB port. It will default to a repeater.