





How are these modules placed in a link?

TAP modules are connected between two switch ports via LC or MTP patch cords. Each pair of aqua/blue ports are connected inline into the Live Link with two cords and then an additional cord or cords are used from the red port(s) to connect to the Arista Tap Aggregator. For additional application information, please reference the following Applications Engineering Note on the Corning website:

<https://www.corning.com/catalog/coc/documents/application-engineering-notes/AEN164.pdf>

What are the part numbers and specifications for the EDGE TAP modules?

Corning offers a variety of split ratios and connector configurations; the table below contains the most common configurations. Common applications with distance capabilities are listed in the table below with distances based on loss of the link. For example, consider the ETM-5A-Q tap module. If your existing cabling plant had connector losses of 2dB, then you could support 300m at 10GBASE-SR with the tap module in place.

SKUs	Description	10G Distance	40G Distance	100G Distance	Product Image
ETM-5A-Q	EDGE Tap module; 50:50 split ratio; OM3/4; supports two duplex links	10G-SR (OM4) 1dB = 400m 2dB = 300m	NA	Contact Corning Engineering for SWDM4	
ETM-7A-Q	EDGE Tap module; 70:30 split ratio; OM3/4; supports two duplex links	10G-SR (OM4) 1dB = 400m 2dB = 300m	NA	NA	
ETM-5A-G	EDGE Tap module; 50:50 split ratio; SM; supports two duplex links	10G-LR 1dB = 4250m 2dB = 2500m	40G-LR4 1dB = 4250m 2dB = 2500m	100G-LR4 1dB = 3750m 2dB = 2000m	
ETM-7A-G	EDGE Tap module; 70:30 split ratio; SM; supports two links	Contact Corning Engineering	Contact Corning Engineering	Contact Corning Engineering	
ETM-5C-Q	EDGE Tap module; 50:50 split ratio; OM3/4; supports single parallel link	NA	40G-XSR4 (OM4) 0.25dB = 400m 1dB = 400m	100G-SR4 (OM4) 1dB = 60m 2dB = 15m	
ETM-7C-Q	EDGE Tap module; 70:30 split ratio; OM3/4; supports single parallel link	NA	40G-XSR4 (OM4) 0.25dB = 400m 1dB = 400m	Contact Corning Engineering	
ETM-5A-Q-BD	EDGE BiDi Tap module; 50:50 split; OM3/4; supports single BiDi link	NA	40G-BiDi (OM4) 1dB = 85m 1.35dB = 20m	Contact Corning Engineering for BiDi	

For additional information including distances for OM3 links, please reference the following AENote:

<https://www.corning.com/catalog/coc/documents/application-engineering-notes/AEN162.pdf>

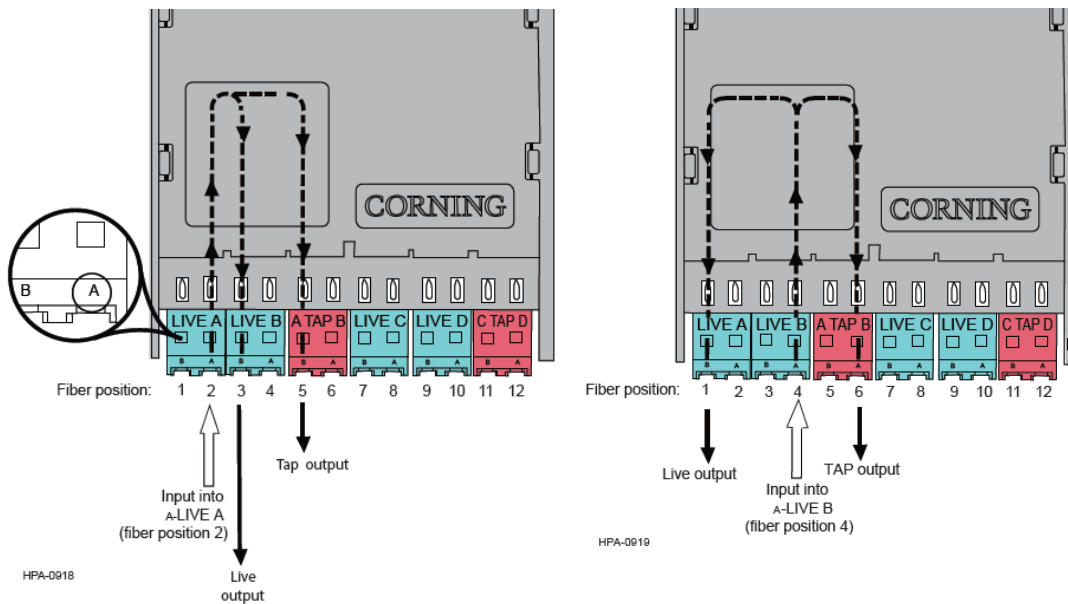
What hardware should be used to mount these modules into cabinets/racks?

These EDGE TAP modules can be mounted into a 19" rack/cabinet using an **EDGE-01U-EMOD** bracket. This 1U bracket can support eight TAP modules, to tap a total of 16 duplex links. Corning offers other variety of housings with higher capacity if required (EDGE-04U holds 48 TAP modules).



What is the polarity inside the LC TAP modules?

Polarity inside the module is described in the diagrams below. It is important to note that these modules contain optical splitters, thus input power must be transmitted only into fiber position 2 and 4 for proper operation. Launching power into ports 1 and 3 will result into undesired operation.



For additional application information including polarity diagrams for other TAP modules, please reference the following Applications Engineering Note on the Corning website:

<https://www.corning.com/catalog/coc/documents/application-engineering-notes/AEN164.pdf>

Where can I purchase these EDGE TAP modules and rack/cabinet bracket?

Corning sales through four major distribution channels (Anixter, Graybar, Accutech, CSC/Wesco). There are also some online distributors who resell these products such as eAccu-tech.com.

Where can I find additional information/support about these TAPs?

For guidance about correct configuration (split ratio and connector style) you can contact a System Engineer at Corning at no charge. You can contact a System Engineer via email at DutyEng@corning.com or talk to a System Engineer via phone at (800) 743-2671 (request the Customer Service Representative to transfer you to the Duty Engineer desk).