

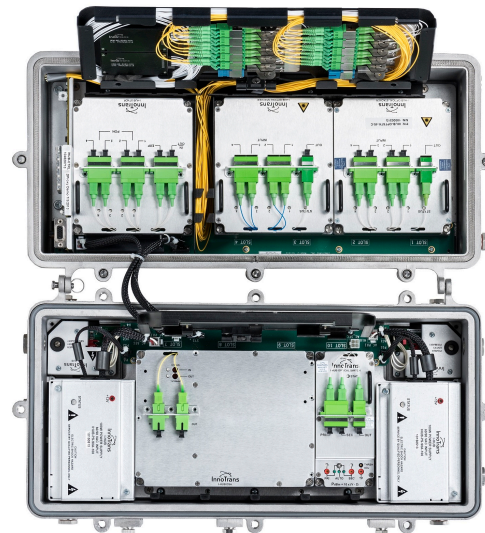
+ Features

- Field-hardened, strand, pedestal or wall mounted
- 10 single or 5 double modules
- EDFAs, optical switches, optical stacker modules
- Redundant Powering
- Integrated controller card for status monitoring

⚙ Applications

Single, multi-wavelength and bi-directional optical extension for:

- Hub Elimination
- Node splitting and segmentation
- RFoG and FTTx
- Long Haul Super-Trunking



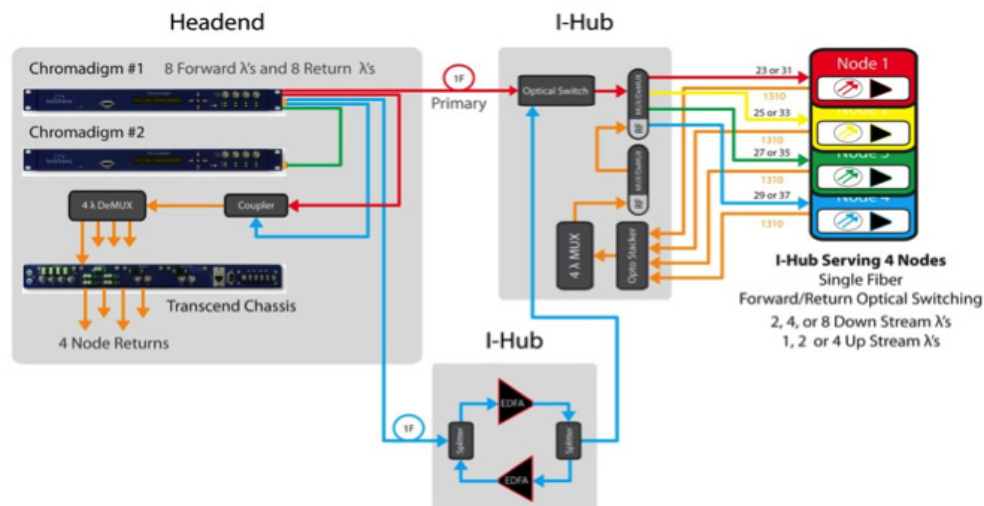
Key Benefits

The I-HUB-HSG2 die cast aluminum housing provides a completely field-hardened solution eliminating the need for costly buildings and OTN sites. The housing is designed for pedestal, street cabinets, underground vaults or aerial strand mounting. The housing accommodates 10 application module slots, four in the base and six in the lid. A family of application modules makes the I-HUB ideal for advanced optical multi-wavelength forward and return path applications.

AC power is inserted on either end of the housing and two independent sources can be used for power source redundancy. Backplane boards mounted on each side of the housing provide A & B powering and communication to all I-HUB modules and control module. Dual load sharing 100W high-efficiency power supply modules are distributed across the 10 slot locations.

Optical cable access is available at both ends of the housing with a specialized compression fitting to mount outside fiber plant cable or fiber service entry cables. Fiber management splice and storage trays reside on both sides of the housing and above the modules. The trays are mounted on the raceway support system which can swivel for module access. Fiber jumpers are routed through the fiber channels and up to the corresponding trays and modules.

A control module located in the lid of the housing communicates with the modules via the backplane boards. Communications for network monitoring is accomplished via a return data TX (SFP) or through an Opto-Stacker module. A local interface via an external umbilical cord is used for local monitoring and threshold setting adjustments.



Available Modules for I-HUB

IHUB-CTRL2	I-Hub Control and Communication Module
IHUB-PS2-90A-100	I-Hub 100W, 60/90 Power Supply Module
DSP-HHU	Hand Held Display Unit for Local Monitoring and Controlling and includes DB15 Interface Cable
IHUB-OS-C	I-Hub Direction Sensitive, 2X1 Optical Switch Module for C-Band Applications, Direction Sensitive with an Input Range of -10 dBm to +15 dBm using SC/APC Connectors in a Single-Slot I-Hub Module.
IHUB-DSA*-****-C	I-Hub Field Hardened Dual Stage EDFA with Interstage Dispersion Compensation (either 20, 30, 40 or 50 km), 6, 9 or 12 dB Gain and 15, 18 or 20 dBm of Total Output Power with SC/APC Connectors in a Three Slot Module.
IHUB-GCA-****S-C	I-Hub Field Hardened EDFA, with AGC, 6, 9 or 12 dB Gain and 15, 18, or 20 dBm of Total Output Power with SC/APC Connectors in a Single Slot Module.
IHUB-POA-4***-*EL	I-Hub Field Hardened PON EDFA Module, supports 4 Optical Outputs each with an Express Port at 7, 10, 14, or 17 dBm of Single Wavelength Output Power using either SC/APC or LC/APC Input Connectors and LC/APC Output Connectors in a Two Slot Module
IHUB-OPSTKM*-**-*	I-Hub Field Hardened Opto-Stacker with Optical AGC and In Band Monitoring, Four Optical Return Receiver Inputs with 3 Ranges of Receiver Input Levels (1= 0 to -15 dBm, 2 = -14 to -22 dBm and Blank = +3 to -10 dBm), 5 to 85 MHz Frequency Stacking, with a Muxed Output of +8 dBm using either SC/APC or LC/APC Connectors in a Two Slot Module.