

Optical Expansion Units



Interface Corporation has introduced Optical expansion units. The expansion unit provides a host computer with additional 2 to 13 slots. Interface boards installed into the expansion unit can be controlled through the host computer. The transfer mode between the host computer and the expansion unit is optical transmission. The fiber-optic cable achieves high performance with electric isolation, which helps avoid noise created by the optical transmission. The easy-to-handle fiber-optic cable is available in long lengths up to 150 m (max.) making long distance connections possible, even ideal.

Features & Benefits

- Taking measure against electromagnetic induction noise
- Connecting long distance between the host computer and the expansion unit using compact size PC and PCI/PCIe modules
- Fiber-optic cable lengths can be selected; max. 150m
- Interlock expansion unit power supply controlled by the host computer
- Maintaining existing software and interface modules
- Independent power control:
 - Host computer and expansion unit can be controlled independently with different power source
 - Host computer can be isolated from power supply noise of expansion unit



[Have a Question or need application help? Contact Us!](#)



Fiber-Optic Cable

STRING IN BENDING/PULLING	NOISE-RESISTANT
<ul style="list-style-type: none"> • Multi-mode fiber (core: 50µmØ) • Minimum bending range: 30mm • Applying tension: 70N (7 kgf) (max.) 	<ul style="list-style-type: none"> • External noise effect zero • Cables can be bundled • Crosstalk effect zero • Least transmission loss (less than 0.6dB)
EASY-TO-USE/HANDLING	HIGH-SPEED
<ul style="list-style-type: none"> • LC connector (small connector, next generation world standard) 	<ul style="list-style-type: none"> • Optical signal transmission • Graded-index optical fiber

[Click here to view optical cable specifications.](#)

[Click here for more information on PCI, PCIe Bus Expansion Units.](#)

We also offer small to mid-volume, high-mix model productions for interface boards. We are available to help and provide you with some solutions that may fit the specifications for your applications. [Contact us today.](#)