

# Utility Module

IQ-9600



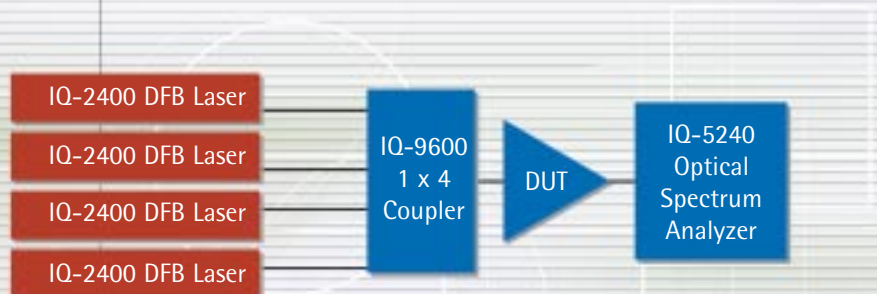
The IQ-9600 Utility Module secures and standardizes the integration of couplers, isolators, filters and Bragg gratings into the IQ-200 Optical Test System. Without it, these passive optical components end up loose on the workbench and may be damaged or misaligned.

The IQ-9600 Utility Module consists of empty IQ module frames designed to house non-electronic elements (there are no electrical connections) in the IQ-200 Optical Test System. The module comes with tie wraps, brackets and holders for mounting components. Choose from two models: the IQ-9601 single-slot or the IQ-9602 dual-slot modules.

To help you easily develop your test setup, EXFO has integrated singlemode couplers often required in monitoring, EDFA testing and other fundamental applications. Several couplers are available: 1 x 2 couplers, with different coupling ratios (50/50, 25/75, 1/99, 5/95, 10/90), as well as 1 x 4 and 1 x 8 arrangements. The package includes a polished angled (EA) or non-angled (EI) connector, compatible with EXFO's Universal Interface (EUI).



## Simplified EDFA test setup



Fiber-optic T&M,  
monitoring, manufacturing  
and assembly solutions

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## Specifications

Model	IQ-9601	IQ-9602	Model	IQ-9601-05-B07-XX	IQ-9602-09-B08-XX	IQ-9602-09-B09-XX
Number of slots	1	2			(C-Band)	(L-Band)
Internal size (cm)	10.2 x 3.2 x 25.8	10.2 x 7.0 x 25.8	Coupler type	1 x 4	1 x 8	1 x 8
(H x W x D) (in)	4 x 1 1/4 x 10 1/8	4 x 2 3/4 x 10 1/8	Fiber type (μm)	9/125	9/125	9/125
<b>Standard Accessories (with empty modules only)</b>			Wavelength (nm)	1310/1550	1550	1585
10 tie wraps, 2 gray holders, 3 component holders, 10 fiber holders, 10 tie wrap holders with rings, 5 cm (2 in) of double-sided adhesive tape, and 1 Allen key (0.05 in)			Bandpass (nm)	1270/1350	1510/1590	1545/1625
				1510/1590		
			Insertion loss <sup>1</sup> (dB)	≤ 7.5	≤ 10.2	≤ 10.8
			<b>Model</b>			
			IQ-9601-03-B10-XX			IQ-9601-03-B11-XX
			Coupling ratio	5/95	25/75	
			Fiber type (μm)	9/125	9/125	
			Wavelength (nm)	1310/1550	1550	
			Bandpass (nm)	1270/1350	1520/1570	
				1510/1590		
			Insertion loss <sup>1</sup> (dB)	(5/95) ≤ 15.0/≤ 1.0	(25/75) ≤ 6.4/≤ 2.1	
			<b>Model</b>			
			IQ-9601-03-B04-XX			IQ-9601-03-B05-XX
			Coupling ratio	10/90	1/99	50/50
			Fiber type (μm)	9/125	9/125	9/125
			Wavelength (nm)	1550	1550	1310/1550
			Bandpass (nm)	1510/1590	1530/1565	1270/1350
						1510/1590
			Insertion loss <sup>1</sup> (dB)	(10/90) ≤ 10.8/≤ 0.6	(1/99) ≤ 21.0/≤ 0.5	≤ 3.9

<sup>1</sup>Excluding connectors

## Ordering Information

### IQ-9600 Utility Module with integrated coupler

#### IQ-96XX-XX

##### Model

IQ-9601-03-B04 = 1 slot, 1 x 2 coupler 10/90  
 IQ-9601-03-B05 = 1 slot, 1 x 2 coupler 1/99  
 IQ-9601-03-B06 = 1 slot, 1 x 2 coupler 50/50  
 IQ-9601-03-B10 = 1 slot, 1 x 2 coupler 5/95  
 IQ-9601-03-B11 = 1 slot, 1 x 2 coupler 25/75  
 IQ-9601-05-B07 = 1 slot, 1 x 4 coupler 25/25/25/25  
 IQ-9602-09-B08 = 2 slots, 1 x 8 coupler C-Band  
 IQ-9602-09-B09 = 2 slots, 1 x 8 coupler L-Band

##### Connector

EI-EUI-28 = UPC/DIN 47256  
 EI-EUI-76 = UPC/HMS-10/AG (EI only)  
 EI-EUI-89 = UPC/FC narrow key  
 EI-EUI-90 = UPC/ST (EI only)  
 EI-EUI-91 = UPC/SC  
 EI-EUI-95 = UPC/E-2000  
 EA-EUI-28 = APC/DIN 47256  
 EA-EUI-89 = APC/FC narrow key  
 EA-EUI-91 = APC/SC  
 EA-EUI-95 = APC/E-2000

Example: IQ-9601-03-B04-EI-EUI-89

### IQ-9600 Utility Module

#### IQ-96XX-XX

##### Model

IQ-9601-00 = 1 slot, no predrilled hole  
 IQ-9601-03 = 1 slot with three connectors  
 IQ-9601-05 = 1 slot with five connectors  
 IQ-9602-00 = 2 slots, no predrilled hole  
 IQ-9602-09 = 2 slots with nine connectors  
 IQ-9602-13 = 2 slots with thirteen connectors

##### Connector

EI-EUI-28 = UPC/DIN 47256  
 EI-EUI-76 = UPC/HMS-10/AG (EI only)  
 EI-EUI-89 = UPC/FC narrow key  
 EI-EUI-90 = UPC/ST (EI only)  
 EI-EUI-91 = UPC/SC  
 EI-EUI-95 = UPC/E-2000  
 EA-EUI-28 = APC/DIN 47256  
 EA-EUI-89 = APC/FC narrow key  
 EA-EUI-91 = APC/SC  
 EA-EUI-95 = APC/E-2000

Example: IQ-9601-03-EI-EUI-89

<b>CORPORATE HEADQUARTERS</b>	465 Godin Avenue	Vanier (Quebec) G1M 3G7 CANADA	Tel.: 1 418 683-0211 · Fax: 1 418 683-2170
<b>EXFO AMERICA</b>	1201 Richardson Drive, Suite 260	Richardson TX 75080 USA	Tel.: 1 800 663-3936 · Fax: 1 972 907-2297
<b>EXFO EUROPE</b>	Le Dynasteur, 10/12 rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85 · Fax: +33.1.40.83.04.42
<b>EXFO ASIA-PACIFIC</b>	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241 · Fax: +65 6333 8242
<b>EXFO CHINA</b>	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing 100044 P. R. China	Tel.: +86 (10) 6849 2738 · Fax: +86 (10) 6849 2662
<b>TOLL-FREE (USA and Canada)</b>	Tel.: 1 800 663-3936	<a href="http://www.exfo.com">www.exfo.com</a> · <a href="mailto:info@exfo.com">info@exfo.com</a>	

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