IntegraOptics

LEADER IN COMPATIBLE OPTICS

Ahead of Schedule, Under Budget

Rigorous Testing | Domestic Inventory | Product Development

ISO 9001:2008 CERTIFIED

QUALITY DRIVEN

We know you build reliable networks... your optics should stack up.

- **The only company in our category to be ISO 9001 certified**

- **We only use tier 1 lasers meeting the highest standards**

- **ALL of our transceivers go through a certified testing program before we ship**

- **State of the art on-site testing lab**

Transceivers from Integra Optics instill customer confidence

DOWNLOAD   QUOTE   SEARCH   By OEM part number at IntegraOptics.com | 877.402.3850

OPTICAL
transceivers are our core business

	OEM Transceiver	IntegraOptics	3rd party Optic
100% OEM compatible	✓	✓	✗
Hardcoded to the latest OEM specific program	✓	✓	✗
Custom specifications beyond OEM capabilities	✗	✓	✗
No contract, remote and on-site engineering support 24/7	✗	✓	✗
In-house platform specific testing for all transceivers	✗	✓	✗
Engineered, tested and inventoried in the US	✗	✓	✗
May use refurbished or used components	✗	✗	✓

Integra maintains more U.S. inventory than any competitor or OEM in our industry.

DOWNLOAD   QUOTE   SEARCH   By OEM part number at IntegraOptics.com | 877.402.3850

EVERYTHING BUT THE BOX!

YOUR LEADER IN PLUGGABLE OPTICS

TURN UP SERVICES, LIMIT TRUCK ROLLS AND MINIMIZE INVENTORY

SmartCoder

Allows users to rapidly reconfigure Integra Optics' transceivers for any network hardware and includes three ports for SFP/SFP+, XFP and QSFP optical transceivers.

SIMPLY INSTALL THE SMARTCODER APPLICATION & CONNECT IT TO YOUR USB PORT.

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THE CORE OF YOUR
BUSINESS... AND OURS

CISCO

OEM	Range
GLC-SX-MMD	1G
GLC-LH-SMD	1G
GLC-ZX-SMD	1G
CWDM-SFP-xxxx	1G
DWDM-SFP-xxxx	1G
GLC-BX-x	1G
SFP-10G-LR	10G
DWDM-SFP10G-xx.xx	10G
DWDM-SFP10G-C	10G
XFP10GLR-192SR-L	10G
DWDM-XFP-xx.xx	10G
DWDM-XFP-C	10G

JUNIPER NETWORKS

OEM	Range
EX-SFP-1GE-T	1G
EX-SFP-1GE-SX	1G
EX-SFP-1GE-LX	1G
EX-SFP-1GE-LX40K	1G
EX-SFP-GE80KCW1xx0	1G
EX-SFP-GE10KTxxRxx	1G
EX-SFP-10GE-LR	10G
EX-SFP-10GE-ZR	10G
EX-XFP-10GE-LR	10G
EX-XFP-10GE-ZR	10G
SFPP-10G-CT50-ZR	10G
XFP-10G-CBAND-T50-ZR	10G

Alcatel·Lucent

OEM	Range
3HE00027AA	1G
3HE00028AA	1G
3HE00029AA	1G
3HE00070Ax	1G
3HE00070CG	1G
3HE00868Ax	1G
3HE04823AA	10G
3HE05894AA	10G
3HE07161Cx	10G
3HE00566AA	10G
3HE01545AA	10G
3HE02718Ax	10G

ciena

OEM	Range
XCVR-A10Y31	1G
XCVR-A40Y31	1G
XCVR-080Y55	1G
XCVR-A80Dxx	1G
XCVR-040Uxx	1G
XCVR-S10V31	10G
XCVR-S80V55	10G
XCVR-C70Dxx	10G
XCVR-S80W42xx	10G
XCVR-T80W01	10G

FUJITSU

OEM	Range
FC95705000	1G
FC95705200	1G
FC95705130	1G
FC95705052	1G
FC95705220 / 5230	1G
FC9685JC63	10G
FC95731410	10G
FC9686MXCx	10G
FC95734ABM-I02	10G
FC95734HC1-I02	10G

Don't see what you're looking for?
JUST ASK!

ACCEDIAN NETWORKS

OEM	Range
7SN-100	1G
7SO-000	1G
7SR-000	1G
7SX-004x	1G
7SM-500	10G
7SN-500	10G
7SP-500	10G
7SP-402	10G

ADVA Optical Networking

OEM	Range
0061003006	1G
0061004009	1G
0061003014	1G
0061704521	1G
1061701855-01	10G
1061701861-01	10G
1061701494	10G
1061701472-05	10G

hp

OEM	Range
J4858B	1G
J4859C	1G
JD061A	1G
J9143B	1G
J9150A	10G
J9151A	10G
JD094B	10G
J9153A	10G

SFP — 1G

Applications 1000Base-X, MetroE, LAN/WAN, Backhaul

Features
• Copper, SM or MM interfaces
• Variable distance support, 100m-160km
• Bi-Directional, CWDM, DWDM variants available
• Optional C-Temp, E-Temp, I-Temp capable
• Up to 1.25Gbps

Protocol Support 10/100/1000Base-X, SONET/SDH, 1-4G Fibre Channel, Up to 3G CPRI

SFP+ — 10G

Applications 10GBase-X, MetroE, LAN/WAN, Backhaul, Carrier Transport, Data Center

Features
• SM or MM interfaces
• Variable distance support, 100m-100km
• Bi-Directional, CWDM, DWDM variants available
• Optional C-Temp, E-Temp, I-Temp capable
• Up to 11.1Gbps

Protocol Support 10GBase-X, SONET/SDH, 4-10G Fibre Channel, Up to 9.83G CPRI, OTN

XFP — 10G

Applications 10GBase-X, MetroE, LAN/WAN, Backhaul, Carrier Transport, Data Center

Features
• SM or MM interfaces
• Variable distance support, 100m-80km
• Bi-Directional, CWDM, DWDM variants availab[le]
• Optional C-Temp, E-Temp, I-Temp capable
• Up to 11.3Gbps

Protocol Support 10GBase-X, SONET/SDH, Fibre Channel, CPRI, OTN with support for FEC

DWDM TUNABLE — 10G

Applications 10GBase-ZR, Carrier Transport

Features
• SFP or XFP
• Link distance up to 80km
• Tunable range 1528.77-1566.72
• ITU channels 1-96 @ 50GHz
• Up to 11.3Gbps

Protocol Support 10GBase-ZR, SONET/SDH, Fibre Channel, CPRI, OTN with support for FEC

TRANSCEIVERS 40G

QSFP+ — 40G

Applications 40GBase-SR4/LR4, Carrier Transport, Data Center

Features
• SM-LC or MM-MPO interfaces
• Variable distance support, 100m-20km
• Quad lane 4x10G support
• Up to 41.25Gbps

Protocol Support 40GBase-SR4/LR4 and 40G telecom

OUR IN-HOUSE INVENTORY SHORTENS LEAD TIMES!

TRANSCEIVERS 100G

QSFP28 — 100G

Applications 100GBase-X, LAN/WAN, Backhaul, Data Center

Features
• SM-LC or MM-MPO interfaces
• Variable distance support, 100m-10km
• Quad lane 4x25G support
• Up to 112Gbps
• SR4, LR4, CWDM4/CLR4, PSM4 variants available

Protocol Support 100GBase-X

CFP — 100G

Applications 100GBase-X, LAN/WAN, Backhaul, Data Center

Features
• SM-LC or MM-MPO interfaces
• Variable distance support, 100m-10km
• 10x10G or quad lane 4x25G support
• Up to 112Gbps
• SR10 and LR4 variants available

Protocol Support 100GBase-X, OTU4 with support for FEC

DOWNLOAD   **QUOTE**   **SEARCH**   **By OEM part number at IntegraOptics.com | 877.402.3850**

WE PROVIDE
WHAT THE OEM DOES...
...AND WHAT THEY DON'T

CISCO
doesn't
provide

SFP+ 10G 80km CWDM

JUNIPER
doesn't
offer

XFP 10G 40-80km CWDM

SFP 1G 120km DWDM
XFP 10G 40-80km CWDM
SFP+ 10G 40-80km DWDM
SFP+ 10G 10-80km BiDi

No 80km SFP+ BiDi?
Cisco...
Are you kidding?

ALCATEL
doesn't
sell

SFP 1G 120km DWDM

HP
doesn't
have

SFP+ 10G 10-60km BiDi

TRANSCEIVERS 100G

CFP2   100G

Applications 100GBase-X, LAN/WAN, Backhaul

Features
• SM-LC interfaces
• Variable distance support 100m-10km
• Quad lane 4x25G support
• Up to 112Gbps
• Available as LR4

Protocol Support 100GBase-X, OTU4 with support for FEC

CFP4   100G

Applications 100GBase-X, LAN/WAN, Backhaul, Data Center

Features
• SM-LC or MM-MPO interfaces
• Variable distance support 100m-10km
• Quad lane 4x25G support
• Up to 112Gbps
• SR4 and LR4 variants available

Protocol Support 100GBase-X, OTU4 with

FIBER CONSTRAINTS?

EXPANDING YOUR NETWORK?

DOWNLOAD OUR PASSIVE CATALOG AT INTEGRAOPTICS.COM

ADDITIONAL TRANSCEIVERS

GPON OLT

Applications GPON, FTTx

Features
• B+ or C+ compliant
• Variable distance support 100m-40km
• Up to a 1x64 split
• 1310nm receive, 1.244Gbps
• 1490nm transmit, 2.488Gps

Protocol Support G.984 GPON

GPON ONT

Applications GPON, FTTx, CPE, Ethernet

Features
• B+ or C+ compliant
• Enables GPON support in any CPE device
• SM-SC APC interface
• 1310nm transmit, 1.244Gbps
• 1490nm receive, 2.488Gps

Protocol Support G.984 GPON

LET US BOOST YOUR RETURN PATH WITHOUT A SIGNIFICANT UPGRADE TO YOUR NETWORK

DOWNLOAD OUR HFC CATALOG AT INTEGRAOPTICS.COM

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SFP+ TWINAX   10G

Applications Data Center, Cloud and SAN Networks

Features
• Direct attach copper
• Variable distance support 1m-15m
• Passive and active variants available
• Optional C-Temp, E-Temp, I-Temp capable
• Up to 10.5Gbps

Protocol Support Ethernet, Fibre Channel

SFP+ AOC   10G

Applications Data Center, Cloud and SAN Networks

Features
• Direct attach OM2 optical fiber
• Variable distance support 1m-100m
• Optional C-Temp, E-Temp capable
• Up to 10.3Gbps

Protocol Support 10GBase-SR, Fibre Channel

QSFP+ AOC   40G

Applications Data Center, High Performance Computing, Telecom

Features
• Direct attach OM3 optical fiber
• Variable distance support 1m-100m
• Optional C-Temp, E-Temp capable
• Up to 40Gbps
• 1x40G (QSFP-QSFP) and 4x10G (QSFP-SFP+) available

Protocol Support 10GBase-SR, 40GBase-SR, Fibre Channel

QSFP+ COPPER   40G

Applications Data Center, High Performance Computing, Telecom

Features
• Direct attach copper
• Variable distance support 1m-7m
• Optional C-Temp, E-Temp capable
• Up to 40Gbps
• 1x40G (QSFP-QSFP) and 4x10G (QSFP-SFP+) available

Protocol Support Ethernet, Fibre Channel

METERS

CWDM

Applications MetroE, WAN, LAN, Backhaul

Features
• 18 CWDM channels
• Wavelengths 1270-1610nm
• Ruggedized with color display
• Internal rechargeable lithium battery
• Auto or manual scan capable
• Measurement data storage function
• SC/UPC SM Interface

DWDM

Applications MetroE, WAN, Backhaul, Carrier Transport

Features
• Available with 50 or 100 GHz spacing
• Wavelengths 1526.05-1563.86nm
• Ruggedized with color display
• Internal rechargeable lithium battery
• Auto or manual scan capable
• Measurement data storage function
• SC/UPC SM Interface

OPTICAL POWER METER

Applications FTTx, WAN, LAN, RFOG

Features
• Wavelengths 850/1270/1310/1490/1550/1577/1610
• Measurement Range (dBm) -50 ~ +26
• Auto or manual scan capable
• Measurement data storage function
• SC/APC MM/SM Interface

MINI OPTICAL POWER METER

Applications FTTx, WAN, LAN, RFOG

Features
• Wavelengths 850/1270/1310/1490/1550/1577/1610
• Bluetooth smartphone connectivity
• Lightweight , Portable, Ruggedized Design
• OLED display
• SC/APC MM/SM Interface

PON POWER METER

Applications FTTx

Features
- Wavelengths 1270/1310/1490/1550/1577
- PON pass through for simultaneous measurement of both upstream and downstream
- Capable of burst mode measurement of 1310nm/1270nm upstream
- Measurement data storage function
- SC/APC SM Interface

WOW! PON UPSTREAM BURST TESTING!

OTDR

Applications Single Mode Fiber Applications

Features
- 3.5inch, color LCD, touch screen
- Measures optical fiber parameters such as length, loss, and connection quality
- Accurate positioning of event and fault points
- Test range of 500m-80km
- Transmits at 1310/1550nm wavelengths
- High capacity lithium battery

FIBER RANGER

Applications Single mode Fiber Applications

Features
- Simple fault finder using OTDR technology
- Detect up to 4 fiber faults per measurement
- Measurement data storage function
- Operates at 1550nm
- Measures 9/125um SM Fiber
- Built-in Power Meter function

FIBER CARE

PORTABLE SCOPE

Applications Optical Inspection Applications

Features
- Precise focus control for instant detection
- Small and portable
- Video display
- Snapshot and video capable
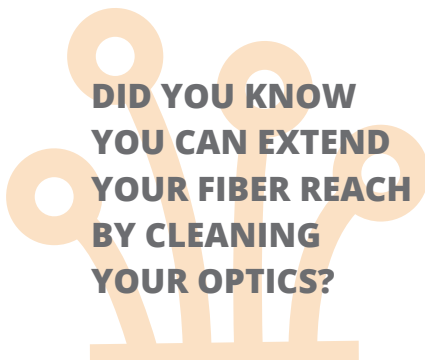- Over 30 adaptor tips to choose from

MINI VISUAL FAULT LOCATOR

Applications Single Mode Fiber Applications

Features
- Dual mode operation, constant on or pulsed
- Quickly identifies damaged fibers
- Locates fiber breaks, faults, and bends
- Operates at 650nm

DID YOU KNOW YOU CAN EXTEND YOUR FIBER REACH BY CLEANING YOUR OPTICS?

STICKLERS CLEANING KIT

*Please visit Integraoptics.com for full descriptions

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THE INTEGRA OPTICS DIFFERENCE...

TRANSCEIVER EXPERTS

The roots of Integra Optics stem directly from engineering in the cable and telecommunication industry. We understand your networking challenges, and provide high quality fiber optic solutions that can meet your specific platform needs.

HIGHEST COMPATIBILITY AND QUALITY

All of Integra Optics' transceivers are 100% OEM compatible, ISO 9001 certified, and quality tested by our in-house engineers to ensure compatibility with your network platform.

ISO 9001:2008 CERTIFIED

PARTNER BASED BUSINESS MODEL

Integra Optics is committed to the long-term success of your projects. Our engineers and technicians are readily available to address questions, trouble-shoot issues and provide on-site support.

FASTEST DELIVERY TIME IN THE INDUSTRY

We know that on-time delivery is critical for your project. Integra Optics' vast in-house inventory and automated processing significantly shortens lead times and ensures that your product arrives when you need it.

LOWEST TOTAL COST OWNERSHIP (TCO)

Integra Optics' transceivers come with a lifetime guarantee and no maintenance contract, allowing you to complete your projects under budget and with coverage assurance.

IntegraOptics

LOCATIONS
to service & support customers

New York

Integra Optics stands out in the industry by providing high-quality fiber optics components that are tested and coded by our in-house engineers to ensure compatibility with you network platform.

Brazil

Integra Optics opened our first international production facility in São Paulo, Brazil, which is the only facility of its kind in the region. A self-sustaining operation with a team of in-house engineers

California

R&D facility allows us to offer our customers a vast assortment of high performance equipment as well as end to end service from developing customized solutions to providing on-site support.