

# Cologix Jacksonville: Metro Connect Services

Convenient, simple solution to increase access across data centers within a metro market

Cologix's Metro Connect is a low-cost product offering that extends Cologix's dense network availability to customers regardless of data center location within a market. Metro Connect is a fiber-based service that offers bandwidth of 100Mb (FastE), 1000Mb (GigE), or 10G and higher (Passive Wave). FastE and GigE services are delivered through a Cologix switch to the customer via a copper cross-connect. The Passive Wave offering provides a dedicated lambda over Cologix fiber that customers must light with their own network equipment. Customers are able to request one of two diverse routes for all three services. Cologix Jacksonville Metro Connect enables:



Connections between Cologix's 2 Jacksonville data centers



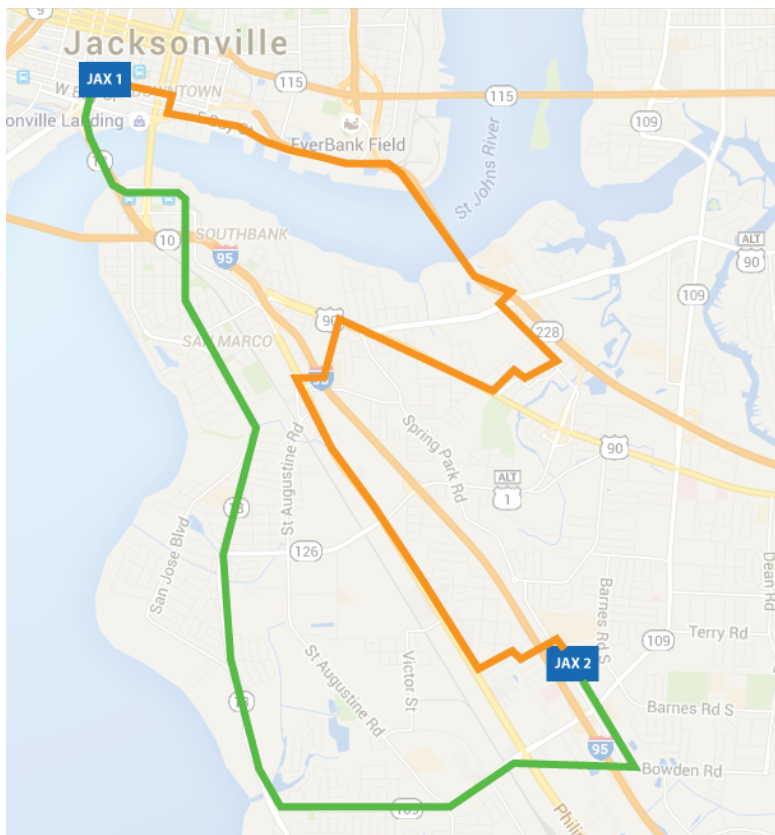
Extended carrier and network choice



A low-cost alternative to local loops

## Cologix Jacksonville Metro Connect Map

Our Jacksonville Metro Connect product provides connections between **JAX 1** at 421 West Church Street and **JAX 2** at 4800 Spring Park Road over shared dark fiber and Cologix-operated network equipment. The product comes in several different configurations to solve various customer requirements. **All Metro Connect services include a cross-connect within each facility to provide a complete end-to-end service.**



### Quick Facts:

- Operates 10,200 SQF in JAX 1 and 125,000 SQF in JAX 2
- 2 pairs of 40-channel DWDM Mux-Demuxes (working and protect) enable 40x100 Gbps between each facility = 4Tbps Metro Optical Ethernet network
- Scalable with addition of 40-Channel / 80-Channel PON DWDM Mux-Demuxes pairs

### Passive Wave:

- Reliant on customer network equipment (1550nm channelized SFPs)
- Protocol agnostic – Sonet, SDH, Ethernet, FC, other
- Uses passive splitters – no power needed, unlimited MTBF
- Inherently secure – resembling physical cross connect

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## Provided Through Cologix Network Equipment (Juniper):

- **FastE Metro Connect** – A lit Ethernet solution provided over Cologix's Juniper network and dark fiber. Metro Connect – FastE provides customers with up to 100Mb of bandwidth through a Cat5 handoff.
- **GigE** – A lit Ethernet solution provided over Cologix's Juniper network and dark fiber. Metro Connect – GigE provides customers with up to 1000Mb (1Gb) of bandwidth through a Cat5 handoff

## Requires Customer Network Equipment:

**Passive Wave** – A dark (passive) solution provided over Cologix's dark fiber. Metro Connect – Passive Wave provides customers a single wave (colored light) within its passive WDM optical system. Customers must supply their own 1000Mb or 10Gb Transceivers on both sides of the service conforming to Cologix's signal requirements. Customers are able to utilize the wave pathway to deliver any size optical signal between facilities utilizing their own equipment. The system utilizes fiber handoffs.

### Cologix Jacksonville Network List

Acceleration  
Allied Fiber  
Alma Telephone Co  
America Movil  
Antelecom N.V.  
AT&T  
Cable Andino  
CenturyLink  
Cogent Communications  
Comcast Business Communications  
Comcast Cable  
C&W Networks  
Dedicated Fiber Systems  
Earthlink Business  
Fast Internet For All  
FPL Fibernet  
Georgia Public Web  
Harris CapRock  
LANautilus  
Level 3 Communications

Megaport  
PCCS  
Planters Communications  
SETAR NV  
Southern Light  
Southern Telecom  
Telconet  
TelCove of Jacksonville, Inc.  
Telefonica  
TeliaSonera  
T-Mobile USA  
TowerCloud  
Townes Broadband  
tw Telecom  
US Carrier Telecom  
UTS  
Verizon  
Windstream  
Zayo