

## Streamline FTTX Operations with DiamondWave® FiberConnect

### **DiamondWave® FiberConnect for FTTX Networks**

With fiber rapidly propagating into the access network, network operators need innovative and cost-effective ways to cope with expanded responsibilities for network performance monitoring, diagnostics and troubleshooting – while generally constrained with reduced staff resources.

Calient's DiamondWave® FiberConnect represents the culmination of cost and reliability breakthroughs in fiber optic cross-connection systems (FOCS) to solve the challenge of maintaining quality network performance in the face of rapidly growing fiber volume. Whether the network topology is PON or point-to-point Ethernet, FiberConnect provides NOC-based performance monitoring, test and diagnostic capabilities, together with remote reconfiguration functions, to the FTTX access network.

FiberConnect represents a change from outdated manual methods of fiber management. Now, craftspeople can get their hands out of the fiber plant and concentrate on accelerating deployments to new customers. When a network failure occurs, FiberConnect allows remote diagnosis from the NOC, making craft dispatches far more efficient and thereby increasing network uptime.

At price points an order of magnitude below previously available FOCS systems, FiberConnect easily proves in to provide savings from the first day of deployment.

### **Features**

- Nonblocking 320 input x 320 output ports allow a large number of PON or point-to-point Ethernet lines to be groomed and served.
- A simple, intuitive GUI and a northbound NMS interfaces make FiberConnect easy to deploy and manage with minimal amounts of training.
- Full electronics redundancy provides carrier-class reliability.

### **Benefits**

- Significant reduction in truck rolls due to the extension of NOC-based monitoring and diagnostic capability deep into the network.
- Provides fault localization and diagnostic information to significantly reduce MTTR in event of network problems.
- Enables sharing of test equipment across many fibers.
- True “lights-out” operation at difficult-to-reach serving locations.
- By providing remote monitoring of any fiber, “one-handed” fiber testing can be accomplished during installation verification; remote technicians can validate fiber installation without requiring a second technician at the central office.

