

## PLUG-IN FIBER MODULE SUPPORTS TRANSITION TO HIGH-SPEED FIBER INTERNET



### NOMADIX AG 5900 10G SFP+ FIBER MODULE

The AG 5900, Nomadix’s high-performance access gateway, just got better. In addition to its standard copper ports, the AG 5900 can now be configured with a plug-in fiber module that is outfitted with two enhanced small form-factor pluggable (SFP+) 10G ports. The SFP+ fiber module is designed for any venue with a visitor-based network where a fiber architecture is deployed and fiber WAN or LAN connections are needed.

#### THE POWER OF FIBER-BASED NETWORK INFRASTRUCTURES

To keep pace with the skyrocketing bandwidth demands being placed on high-speed internet access, many establishments with visitor-based networks are transitioning from copper to fiber-based network architectures. Fiber offers significant advantages over copper wire, as it can better accommodate high-demand applications. SFP+ technology also ensures optimal performance, lowest latency and low power usage when compared to copper Base-T.

#### SAME FORM FACTOR AND SCALABILITY

The form factor of the AG 5900 does not change with the addition of the fiber module — nor does its intended audience of medium-to-large-sized venues. The gateway remains scalable, with the flexibility to support anywhere from 500 up to 8,000 simultaneous devices and up to tens of thousands of devices when using the Nomadix clustering feature.



#### CHOICE OF TRANSCEIVERS

The AG 5900 fiber module is offered with two types of SFP+ 10G transceivers: single mode fiber (SMF) and multi-mode fiber (MMF). The single mode SFP+ is a 1,310 nanometer, 10 kilometer transceiver. The multi-mode SFP+ is an 850 nanometer, 300 meter transceiver. Both use the same LC connectors. Nomadix only guarantees support for the transceivers supplied through Nomadix. If a different SFP+ transceiver is used, there could be inconsistencies in operation that are not covered under Nomadix support.



#### SIMPLE INSTALLATION

The fiber module is not hot swappable and requires that the AG 5900 is powered down to install or de-install. Alternatively, the transceivers are able to be installed or de-installed without powering down the unit. Installing the transceiver is easy — simply slide it into the socket until it seats fully. When the retention catch engages, a click will sound.

#### CHANGING OUT THE TRANSCEIVERS

To remove the transceiver, disengage the retention catch. The transceiver has a flip-down lever or bail in the front that is up when the cable connector is inserted. First, remove the cable and flip the bail down. Then, press it slightly back toward the rear of the unit.

AG 5900 10G FIBER MODULE OPTION	DESCRIPTION
590-1000-001	AG 5900 10G Fiber Module Two-Port SFP+
590-1010-001	10G Multi-Mode SFP+ 850 nm Transceiver (Qty 1)
590-1012-001	10G Multi-Mode SFP+ 850 nm Transceiver (Qty 2)
590-1020-001	10G Single Mode SFP+ 1,310 nm Transceiver (Qty 1)
590-1022-001	10G Single Mode SFP+ 1,310 nm Transceiver (Qty 2)
590-1005-001	AG 5900 10G SFP+ Module Blank Filler Plate