



CUSTOMER:

One of the largest municipalities in Nevada

DISTRIBUTOR:

Intermountain Traffic

www.intermountaintraffic.com

LOCATION:

Nevada, United States

INDUSTRY:

Transportation: Traffic Management



“The proven durability of Sixnet’s rugged Ethernet switches enabled Intermountain Traffic to quickly come up with a solution capable of reliably standing up to extremely hot desert conditions.”

*- Scott Meyerhoff,
Intermountain Traffic*

PROJECT SCOPE:

Located in a desert valley subject to extremely hot weather conditions, a large municipality in Nevada uses multimode fiber as part of its traffic management system to interconnect non-temperature controlled traffic cabinets to a control center. This traffic management system controls city traffic lights so the network equipment deployed within each cabinet needs to work continuously without failure. Despite being designed to work in temperatures up to 158°F (70°C), the city’s existing Ethernet switches were experiencing failure as soon as temperatures reached 91°F (32°C).

SOLUTION:

Sixnet partner Intermountain Traffic worked with the municipality to immediately remedy the situation. During the summer months the municipality tested Sixnet’s 6-port SLX-6ES-4ST Ethernet switch rated to operate in -40°F to 185°F (-40°C to 85°C) temperatures. The high performance and reliability of Sixnet’s rugged industrial networking solution proved favorable for the extreme conditions being faced within each traffic cabinet.

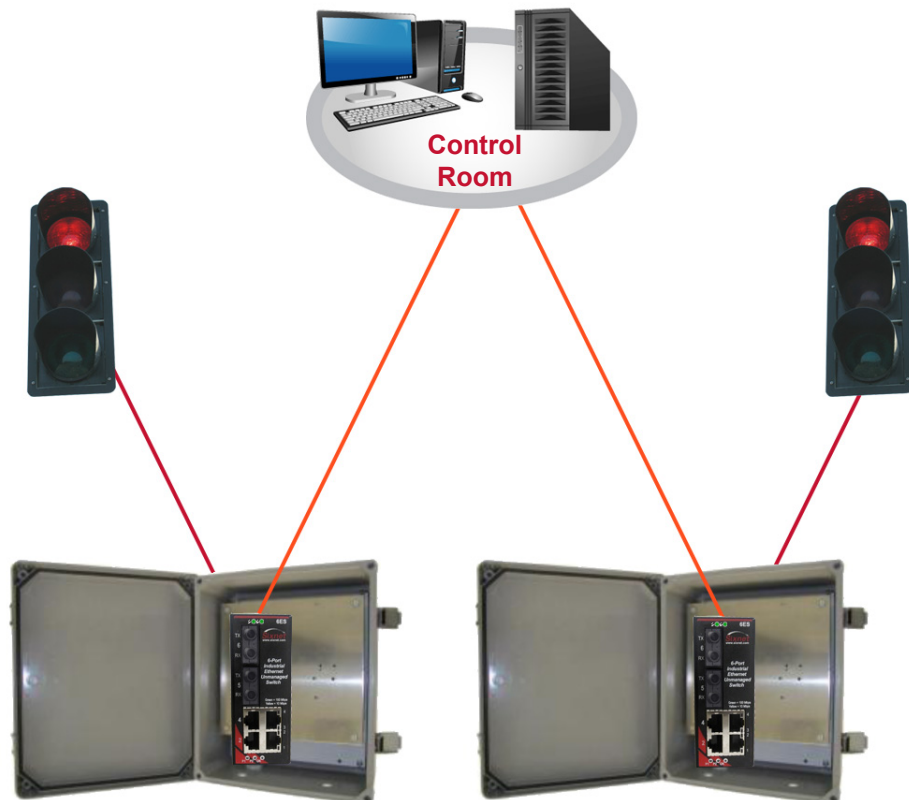
BENEFITS:

In addition to reliably handling hot desert temperatures, Sixnet's SLX-6ES-4ST switches support multimode communication over two fiber optic links. With transceivers capable of sustaining distances up to 4 km, Sixnet switches provide broader networking reach – twice the distance – over the municipality's previous deployment. This flexible scalability enables the city to cost-effectively expand its traffic management system on an as needed basis. The Sixnet solution also delivers substantial savings over the competition, presenting a higher performing solution at a lower cost. The end result:

- Eliminates equipment failures resulting from high temperatures
- Provides reliable communications between traffic cabinets
- Increases flexibility to support future network expansion
- Reduces deployment cost and long-term maintenance fees

PRODUCTS:

Model	Description
SLX-6ES-4ST	6 port industrial Ethernet switches



Sixnet, LLC Corporate Headquarters
331 Ushers Road, Ballston Lake, NY 12019

FLEXIBLE. RELIABLE. POWERFUL.
T +1 518 877 5173 F +1 518 877 8346