



Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

Ethernet to Fiber Converters

Traditional Ethernet Switches allow for connection between devices for up to 100 meters. In most cases, this gap can be covered by adding an extra Ethernet switch which adds the ability to stretch the network for another 100 meters. In some instances, this is not possible.

Using fiber optics can help bridge the gap. Fibers optic cables can span longer between devices and at greater speed so the data throughput is not affected by the distance. In the past, fiber cables were expensive and thick. Recent improvements in fiber technology has made fiber optics a more feasible solution.

We have a wide variety of Ethernet to fiber converters which allow for the use of different types of fiber optic cabling. We have solutions for both single and multimode fibers as well as Gigabit communication.

<https://www.icpdas-usa.com/industrial-media-converters.php>

Model	Fiber Port				Ethernet			Casing
	Mode	Connector	Speed	Port	Speed	Port	Power Input	
RS-405	Multi-mode	SC	100M	1	10/100 Mbps	1	+10 ~ 30 VDC	Plastic
NS-200FT	Multi-mode	ST	100M	1	10/100 Mbps	1	+10 ~ 30 VDC	Plastic
NS-200FCS	Single-mode	SC	100M	1	10/100 Mbps	1	+10 ~ 30 VDC	Plastic
NS-200WDM-A	Single-mode	SC	100M	1	10/100 Mbps	1	+12 ~ 48 VDC	Plastic
NS-200WDM-B	Single-mode	SC	100M	1	10/100 Mbps	1	+12 ~ 48 VDC	Plastic
NS-200AFC-T	Multi-mode	SC	100M	1	10/100 Mbps	1	+12 ~ 48 VDC	Plastic
NS-200AFT-T	Multi-mode	ST	100M	1	10/100 Mbps	1	+12 ~ 48 VDC	Plastic
NSM-200SX	Multi-mode	SC	1000M	1	10/100/1000 Mbps	1	+12 ~ 48 VDC	Metal
NSM-200SX2	Multi-mode	SC	1000M	1	10/100/1000 Mbps	1	+12 ~ 48 VDC	Metal
NSM-200LX	Single-mode	SC	1000M	1	10/100/1000 Mbps	1	+12 ~ 48 VDC	Metal



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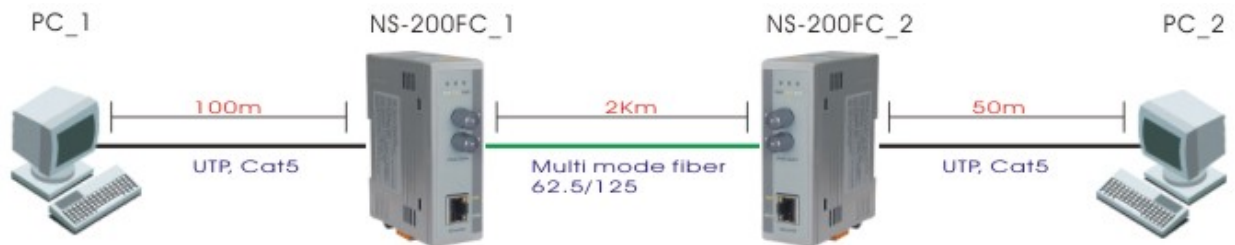
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In addition to the media converters listed above, we also have Ethernet Switches with built in fiber ports. These fiber ports can bridge the gap between 2 Ethernet Switches.

<https://www.icpdas-usa.com/industrial-unmanaged-fiber-switches.php>

Model	Fiber Port				Ethernet				Casing
	Mode	Connector	Speed	Port	Speed	Port	PoE supported Port	Power Input	
NS-205FT	Multi-mode	ST	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Plastic
NS-205FC	Multi-mode	SC	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Plastic
NS-205FCS	Multi-mode	SC	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Plastic
NSM-205FT	Multi-mode	ST	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Plastic
NSM-205FC	Multi-mode	SC	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Metal
NSM-205FCS	Single-mode	SC	100 M	1	10/100 Mbps	4	-	10 ~ +30 VDC	Metal
NS-205AFT-T	Multi-mode	ST	100 M	1	10/100 Mbps	4	-	+12 ~ 48 VDC	Plastic
NS-205AFC-T	Multi-mode	SC	100 M	1	10/100 Mbps	4	-	+12 ~ 48 VDC	Plastic
NSM-205AFCS-60T	Single-mode	SC	100 M	1	10/100 Mbps	4	-	+12 ~ 48 VDC	Plastic
NS-206FT	Single-mode	ST	100 M	2	10/100 Mbps	4	-	+10 ~ 30 VDC	Plastic
NS-206FC	Single-mode	SC	100 M	2	10/100 Mbps	4	-	+10 ~ 30 VDC	Plastic
NS-206FCS	Single-mode	SC	100 M	2	10/100 Mbps	4	-	+10 ~ 30 VDC	Plastic
NSM-206FT	Single-mode	ST	100 M	2	10/100 Mbps	4	-	+10 ~ 30 VDC	Metal
NSM-206FC	Single-mode	ST	100 M	2	10/100 Mbps	4	-	+10 ~ 30 VDC	Metal

As an example, this architecture has been used for connecting 2 buildings separated by a parking lot or across a street. Fiber to Ethernet converters can connect PC's or Ethernet Switches together.





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If you have any questions concerning any of our Modbus TCP products, please contact us via email or phone. We are here to help.