



## Industrial Ethernet Extenders

Los cables CAT5 estándar siempre limitan la distancia de transmisión a menos de 100 metros. Algunos proyectos requieren de un promedio de distancia de 400 a 600 metros de punto a punto, lo que no es posible instalar con cables CAT5.

Para estas aplicaciones el Ethernet Extender es un producto de grado industrial con un rango de temperatura de funcionamiento de -10°C a 60°C y diseñado para utilizar Ethernet sobre un cable coaxial.

El rendimiento puede llegar a ser de 70Mbps en distancias de 600 metros y no generar problemas para las conexiones de las mediciones espectrales de vibración u otras variables.

### Características:

Funciona transparente para la protocolos Ethernet Puerto: 10/100Mbps-Full-duplex, Auto-Negociación, Port Extender Auto-MDI/MDIX Ethernet: simétrico en el VDSL de alta velocidad, full-duplex de hasta 85 Mbps

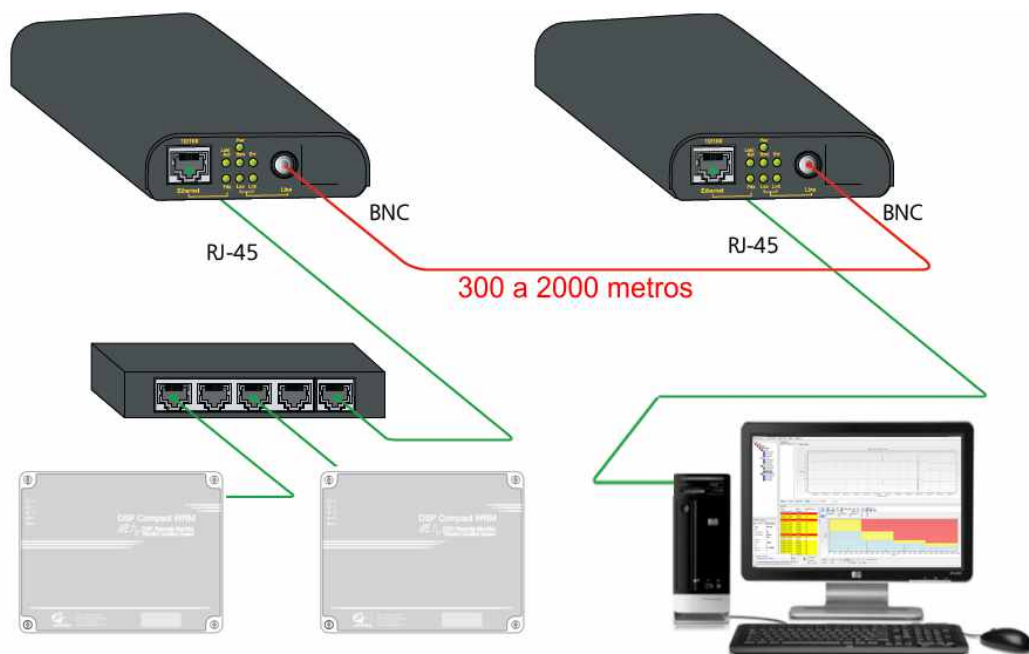
Enlace de comunicaciones con cable coaxiales

### Soporta:

Hasta 85 Mbps @ a unos 200 metros (656ft.)

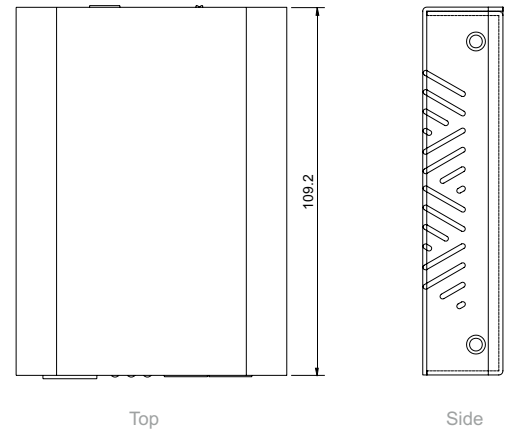
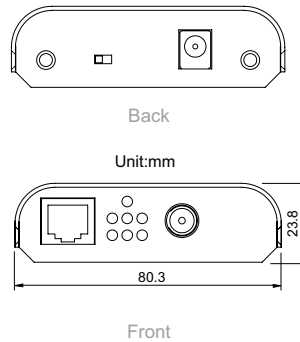
Hasta 1 Mbps @ unos 2.600 metros (8.530 pies)

Temperatura de funcionamiento: -10 °C a 60 °C (14 °F a 140 °F)





# Industrial Ethernet Extenders



## Technology

Standards	<ul style="list-style-type: none"> <li>IEEE802.310BASE-T,IEEE802.3u100BASE-TX, IEEE802.3x,EthernetoverVDSL</li> </ul>
Protocols	<ul style="list-style-type: none"> <li>Transparent to higher layer protocols</li> </ul>
Processing Type	<ul style="list-style-type: none"> <li>IEEE802.3xFull-duplexflowcontrol</li> </ul>

## Power

Input	<ul style="list-style-type: none"> <li>InputVoltage:12VDC</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>5.76WMax.0.48A @12VDC</li> </ul>

## Mechanical

Casing	<ul style="list-style-type: none"> <li>Aluminumcase</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>80.3mm(W)x109.2mm(D)x23.8mm(H) (3.16"(W)x4.30"(D)x0.94"(H))</li> </ul>
Weight	<ul style="list-style-type: none"> <li>150g(0.33lb.)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>DIN-Rail(Tophattype35mm),WallMounting</li> <li>EMC1600 Chassis</li> </ul>

## Interface

Ethernet Port	<ul style="list-style-type: none"> <li>Port:OneRJ-45port,10/100BASE-TXFull-duplex Auto-Negotiation, Auto-MDI/MDIX</li> <li>Distance:100meters(328ft.)</li> <li>Cable:10BASE-T:UTP CAT.3,4,5(2-pairwire) 100BASE-TX:UTPCAT.5(4-pairwire)</li> </ul>																						
Ethernet Extender Port	<ul style="list-style-type: none"> <li>Port:One75ΩBNCPort(withF-typeconnector)</li> <li>SpeedDisplay:1/5/10/20/30/40/50/60/70/75Mbps</li> <li>Max.Distance:2,600meters(8,530ft.)</li> <li>Cable:CoaxialCable(5C2V/RG6AU)</li> </ul>																						
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DIPswitch	<ul style="list-style-type: none"> <li>OneDIP Switch:Local(CO)orRemote(CPE)</li> </ul>																						
LED Indicators	<ul style="list-style-type: none"> <li>PerUnit:PowerStatus(Power)</li> <li>PerPort:10/100TX:Link/Activity,Full-duplex Line&gt;Error,Link,Local,Remote</li> </ul>																						

## Environment

Operating Temperature	<ul style="list-style-type: none"> <li>-10°C to 60°C (14°F to 140°F)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-20°C to 70°C (-4°F to 158°F)</li> </ul>
Ambient Relative Humidity	<ul style="list-style-type: none"> <li>5% to 95% (non-condensing)</li> </ul>

## Regulatory Approvals

ISO	<ul style="list-style-type: none"> <li>Manufactured in an ISO9001 facility</li> </ul>
Safety	<ul style="list-style-type: none"> <li>UL508</li> </ul>
EMI	<ul style="list-style-type: none"> <li>FCC Part 15, Class A</li> <li>VCCI,Class A</li> <li>EN61000-6-3 <ul style="list-style-type: none"> <li>- EN55022</li> <li>- EN61000-3-2</li> <li>- EN61000-3-3</li> </ul> </li> </ul>
EMS	<ul style="list-style-type: none"> <li>EN61000-6-2 <ul style="list-style-type: none"> <li>- EN61000-4-2 (ESD Standards) Contact: +/-4KV;CriteriaB Air: +/-8KV;CriteriaB</li> <li>- EN61000-4-3 (RadiatedRFIStandards) 10V/m,80to1000MHz;80% AMCriteria A</li> <li>- EN61000-4-4 (Burst Standards) SignalPorts: +/-1KV;CriteriaB D.C.PowerPorts: +/-2KV;CriteriaB</li> <li>- EN61000-4-5 (Surge Standards) SignalPorts: +/-1KV;Line-to-Line;CriteriaB D.C.PowerPorts: +/-0.5KV;Line-to-earth;CriteriaB</li> <li>- EN61000-4-6 (InducedRFIStandards) SignalPorts:10Vrms@0.15-80MHz;80% AMCriteria A D.C.PowerPorts:10Vrms@0.15-80MHz;80% AM Criteria A</li> <li>- EN61000-4-8 (Magnetic Field Standards) 30A/m@50,60Hz;Criteria A</li> </ul> </li> </ul>
Environmental Test Compliance	<ul style="list-style-type: none"> <li>IEC60068-2-6Fc(VibrationResistance) 5g@10-150Hz, Amplitude0.35mm(Operation/ Storage/ Transport)</li> <li>IEC60068-2-27Ea(Shock) 25g@11ms(Half-SineShockPulse;Operation) 50g@11ms(Half-SineShockPulse;Storage/Transport)</li> <li>IEC60068-2-32Ed(FreeFall) 1M(3.281ft.)</li> </ul>

