# TOFINO SECURITY
## A BELDEN BRAND

# Tofino Xenon for Energy with DNP3 LSM (Loadable Security Module)

TofinoXe-0200T1M2TDDVY0023TATXX.X.XX

| Product Description | |
|---|---|
| **Type** | **TofinoXe-0200T1M2TDDVY0023TATXX.X.XX** |
| **Order Number** | **942103999-120** |
| **Availability** | **Available** |
| **Description** | Tofino Xenon for Energy Layer 2 Transparent Firewall with TP and MM port extended temperature range, IEC 61850/IEC1613 and UL certification with software package including  TC (Tofino Configurator), NC (NetConnect), FW (Firewall LSM with EL Event Logger), and DNP (Distributed Network Protocol) DNP3 enforcer LSM. |
| **Port Type and Quantity** | 1 x 100BASE-TX \| 1 x 100BASE-FX |
| **Additional Interfaces** | |
| **USB Interface** | 1 x USB socket to connect auto-configuration adapter ACA21-USB or approved USB storage device |
| **Digital Input** | 1 x plug-in terminal block, 2-pin |
| **Digital Output (Signaling Contact)** | 1 x max. 60 V DC or max. 30 V AC, SELV, max. 1A |
| **Network Size** | |
| **Twisted Pair (TP)** | 0 to 100 m |
| **Multimode Fiber (MM) 50/125 µm** | 0 to 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km |
| **Multimode Fiber (MM) 50/125 µm** | 0 to 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km |
| **Power Requirements** | |
| **Operating Voltage** | 12 to 48 V DC, 24 V AC redundant power supply |
| **Power Consumption** | 6 W |
| **Power Supply/Signaling Contact** | 1 x plug-in terminal block, 6-pin |
| **Software** | |
| **Management** | Tofino Configurator software |
| **Diagnostics** | LEDs (power, mode, fault, save/load, reset , link status), signal contact, syslog, configuration verify |
| **Configuration** | **Network**: Tofino Configurator uses secure communications to configure the Tofino Xenon security appliance. **Manual**: Encrypted configuration files may be saved on a USB storage device and loaded into the Tofino Xenon security appliance via a secure USB |
| **Operating Modes** | **Test**: All traffic is allowed and alerts are generated as per user rules<br>**Operational**: Traffic is filtered and alerts are generated as per user rules |
| **Firewall** | Stateful layer 2, 3 and 4 filtering with optional deep packet inspection for SCADA protocols (depending on purchased LSMs) |
| **System Requirements** | Windows XP, Windows 7 (32- and 64-bit), or Windows Server 2003, 2008, or 2008 SR2. |
| **Event Logging** | Captured by a syslog server or locally into nonvolatile memory for later download via network or USB storage device |
| **Preloaded Software Modules** | FW: Firewall LSM (includes Event Logger (EL), NC: NetConnect LSM, and DNP: DNP3 Enforcer LSM |

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| Ambient Conditions | |
|---|---|
| Operating Temperature | -40°C to +70°C |
| Storage/Transport Temperature | -40°C to +85°C |
| Relative Humidity (non-condensing) | 10% to 95% |
| Conformal Coating | Yes (dependent on device variant) |
| **Mechanical Construction** | |
| Dimensions (WxHxD) | 60 x 145 x 125 mm |
| Weight | 660 g |
| Protection Class | IP20 |
| Mounting | DIN Rail 35 mm |
| **Approvals** | |
| Declaration of Conformity | CE, FCC, EN 61131, EN 60950 |
| Safety of Industrial Control Equipment | cUL508 |
| Substation | IEC 61850, IEEE 1613 |
| **Reliability** | |
| MTBF | 69 years |
| Warranty | 5 years (standard) |