



**VCL  
DEFENSE  
SOLUTIONS**



# CXR Networks offers a comprehensive product portfolio that includes:

- Advanced Cyber Security solutions.
- NAS and Data Storage Servers with multiple layer of Cyber Security.
- VCL IP/MPLS Routers.
- TDM over IP/Ethernet Converters.
- Time & Frequency Synchronization.
- Network Reliability equipment.



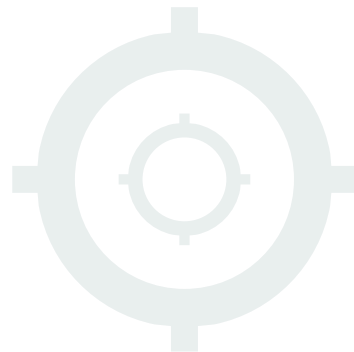
## Advance Cyber Security Solutions:

- **Real-time threat detection and prevention against cyber-attacks and firewall breaches.**
- **Next-generation firewalls and secure routers designed for mission-critical environments**
- **To detect, prevent and secure their network against firewall breaches and trojan cyber-attacks.**



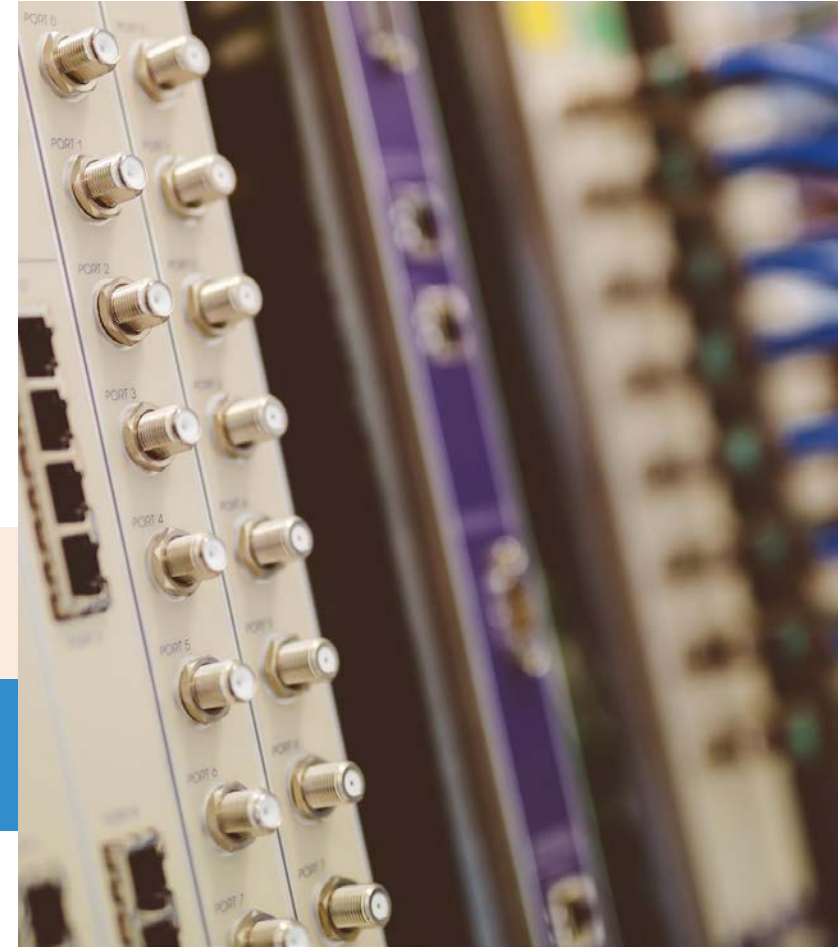
## NAS and Data Storage Servers with multiple layer of Cyber Security:

- Network Isolation equipment
- Quantum-Safe encrypted data storage
- Vaulted Data Storage through Data Diode
- EMP (electromagnetic pulse) data storage protection.



## VCL IP/MPLS Routers:

- **IP/MPLS Routers with enhanced security features for reliable data transmission with encryption.**
- **To protect customer networks against hostile and unwarranted intrusions with Cyber security features.**



# TDM over IP/Ethernet Converters:

- Seamless integration of legacy E1/T1 services over modern IP/Ethernet networks
- Utilizing **CESoPSN**, **SAToP** and **PWE3** technologies for dependable communications
- Support for 2 E1 / T1, 8 E1 / T1, 16 E1 / T1, 32 E1 / T1 and E3 / DS3/T3 for TDM over IP, MEF or MPLS.



# Time & Frequency Synchronization:

- **GPS/GNSS/NavIC Primary Reference Clocks (ITU-T G.811) for high-precision timing.**
- **NTP Time Servers**
- **PTP Grandmaster, PTP Slaves, PTP Switches utilizing IEEE-1588v2 protocols for synchronized communication.**



## Network Reliability:

- **Automatic Protection Switches and Ethernet Failover Switches to ensure 99.99% communication availability under adverse conditions.**
- **Automatic Protection for E1 or T1 links of the network to establish a 1+1 redundant communication path.**

### Smart Solutions for Smart Networks

The information contained in this document are not contractual. CXR continuously improves its products. Specifications are subject to change without notice.

[contact@cxr.com](mailto:contact@cxr.com)

**CXR Anderson Jacobson**  
[www.cxr-networks.com](http://www.cxr-networks.com)

17 Rue de l'Ornette  
28410 Abondant France  
T +33 (0) 237 62 87 90