To have a dependable network
is not important – it's everything!

DESIGNED FOR INDUSTRIAL CUSTOMERS

Dyna Wiz – The magical mini switch optimized for

- POWER SUBSTATIONS
- OIL & GAS BLOCK VALVE STATIONS
- AIRPORT FIELD SHELTERS
- RAILWAYS TRACK SIDE SHELTERS
- WINDMILL PARKS
- SOLAR FARMS

DNWP

YOUR PARTNER IN CRITICAL
COMMUNICATIONS NETWORKS

Dyna Wiz

An industrial IP access point for the next generation critical communications

DYNA WIZ PROVIDES a smooth transport migration from current critical communications towards next generation means with minimum on-site work and maintenance. This makes it ideal for locations that are difficult to reach or distant such as windmill parks and solar farms.

The compact product design also fits well into limited spaces such as power substations, oil & gas block valve stations, airport field shelters and railways track side shelters.

When installing Dyna Wiz, the 2Mbps multiplexer can be used for current interfaces as before. All Ethernet based services can be directly connected into Dyna Wiz. This setup enables the end-to-end service provisioning and cyber security features to span across all services routed via Dyna Wiz.

TDM over Packet | MPLS-TP | Carrier Ethernet 2.0

DYNA WIZ 8 - KEY FEATURES

8G MPLS-TP switch
- Linear Protection switching 1:1
- Virtual Private Wire & LAN Service (VPLS/VPWS)
- 8 x CoS
- OAM for MPLS-TP (G.8113.1/G8113.2/Y.1372)

Carrier Ethernet 2.0
- Compliant with Metro Ethernet Forum (MEF) - Carrier Ethernet 2.0
- MEF UNI and NNI functionality
- OAM, performance, monitoring and testing (RFC 2544, Y.1564)
- Ethernet Virtual Circuit (EVC) LINE, LAN, TREE
- VLAN Stacking Q-in-Q (IEEE 802.1ad)

11 Gbps switch matrix

8 Ethernet SFP ports
- 2 x 2,5GbE
- 6 x GbE

E&M type alarm inputs and outputs:
- 2 x input
- 2 x output

TDM over Packet with optional TDM SFP adapters
- E1
- C37.94 *
- V.24

Environmental:
- IP classification: IP40
- IEC61850-3 compliant
- IEEE1613 compliant
- Operating temperature: -20…+65 C

Optional AES256-GCM user data encryption and authentication
- Manual key configuration or Automated key exchange

Measures:
- L95 x H175 x W130
- Power consumption max 20W

SyncE

IEEE1588
- NMEA and PPS interfaces for PTP synchronization
- Optional C37.238 power profile

Power options:
- Two battery inputs
- 24 – 110V DC

End-to-end service provisioning and performance monitoring by a DNWP network management system

*) a future feature

DYNA WIZ CREATES AN EFFICIENT,
CONNECTION-ORIENTED NETWORK

- Can be plugged into any SFP port in a DNWP packet switched device
- Supports integrated connectivity over packet switched networks with all available MPLS-TP and Carrier Ethernet functionalities
- Seamless integration to the device web GUI and NMS
- Available interface options in the key features

Dedicated Network Partners

Made in Finland – Adapted worldwide

Dedicated Network Partners (DNWP) develops and produces critical communications networks for utilities, corporations, and enterprises.

DNWP IS A FINNISH HIGH-TECH BRAND driven by the product philosophy to design devices that beat records in value. DNWP devices provide true multiservice capabilities to support a wide range of voice and data interfaces and a variety of connectivity scenarios making them one of the most reliable and sustainable critical communications solutions on the market.

Industrial customers have relied on our solutions throughout decades. DNWP started out in 2012 as a spin-off from the telecom giant Nokia, where dedicated networks formed the core of the business as early as the 80's. We're proud to be a first choice of electricity, oil, gas, and water suppliers; airport, seaport, railway, and highway operators; as well as public safety, security, military, and defense professionals across the globe.

DNWP is among the leading suppliers of critical communications devices. DNWP brand is available on five continents enabled by our value added reseller network. 'Til today, our solutions have been selected by more than 500 customers worldwide with more than 500,000 delivered devices.

ISO 9001
BUREAU VERITAS
Certification

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