

GAZL DIN RAIL HUB

Ultra high-speed,
fiber optic network
for distributed
processing



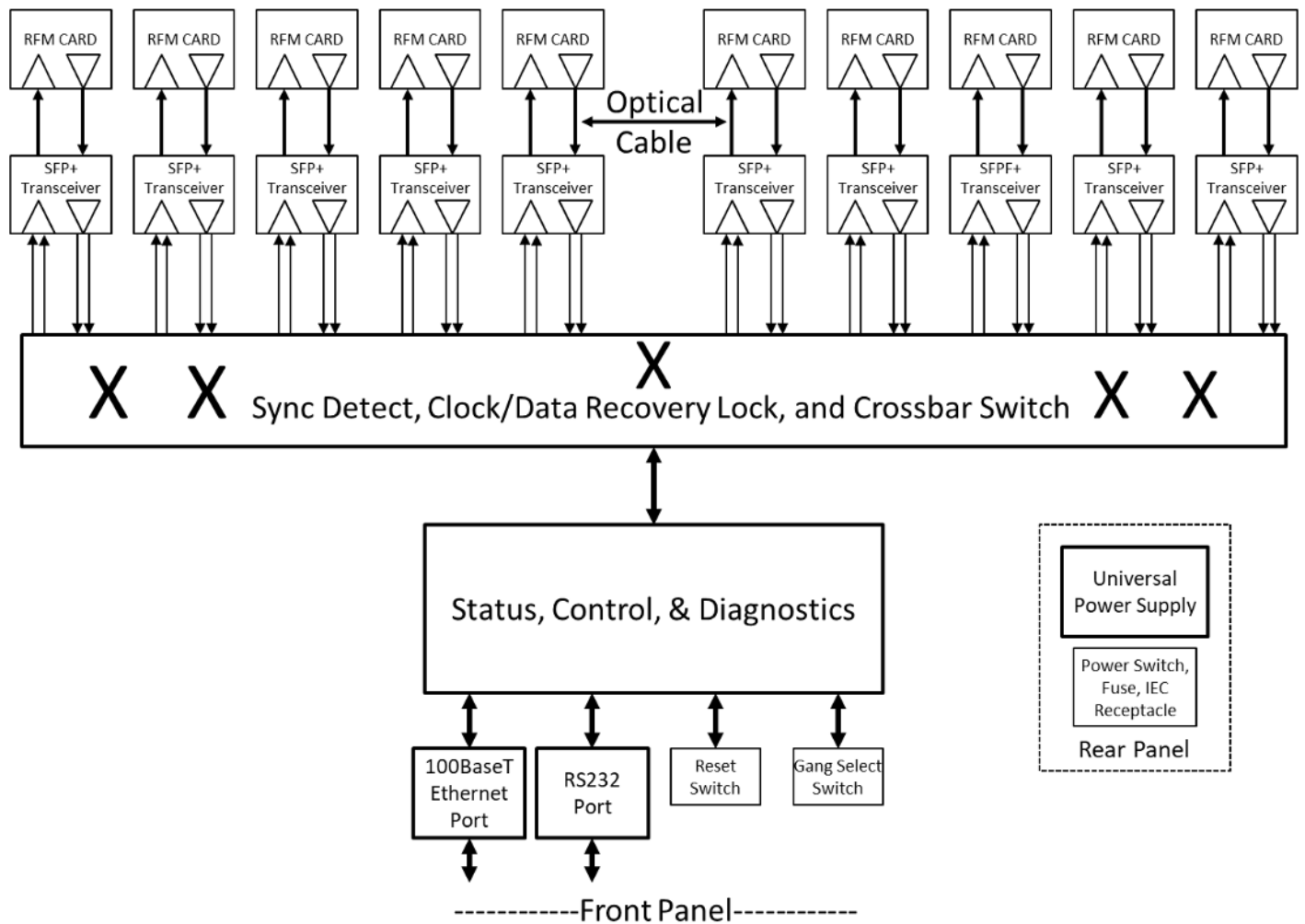
IDEAL APPLICATIONS

- Aircraft simulators
- Aluminum rolling mill
- Engine test stands
- Automated testing systems
- Power plant simulators
- High-speed data acquisition
- Ship and submarine simulators
- Industrial process control
- PLCs

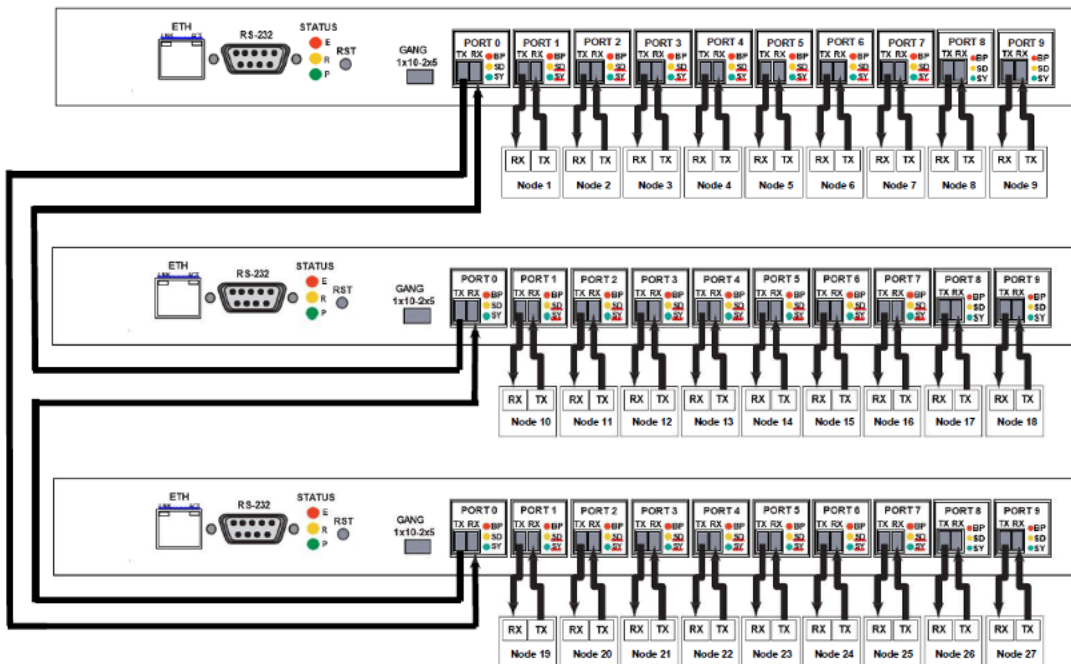
PRODUCT HIGHLIGHTS

- ④ Low latency, deterministic data transfer for high performance and predictability
- ④ Provides up to ten (10) ports using small form factor pluggable (SFP) transceivers
- ④ Hubs can be linked to support up to 256 RFM nodes
- ④ Can support multi-mode simplex / duplex cables up to 300m in length and 10km in length for single mode
- ④ 100Base-T Ethernet TCP/IP port and RS232 port for remote access and control
- ④ DC power supply
- ④ Create a single, shared memory network across diverse systems that is OS and bus structure independent
- ④ Can support networks speeds of up to 10Gb/s
- ④ Easy ability to reset the GAZL Hub to factory default settings
- ④ Automatic bypass of defective or discontinued nodes
- ④ Can support self-diagnostic capabilities for the health of the network
- ④ DIN Rail form factor

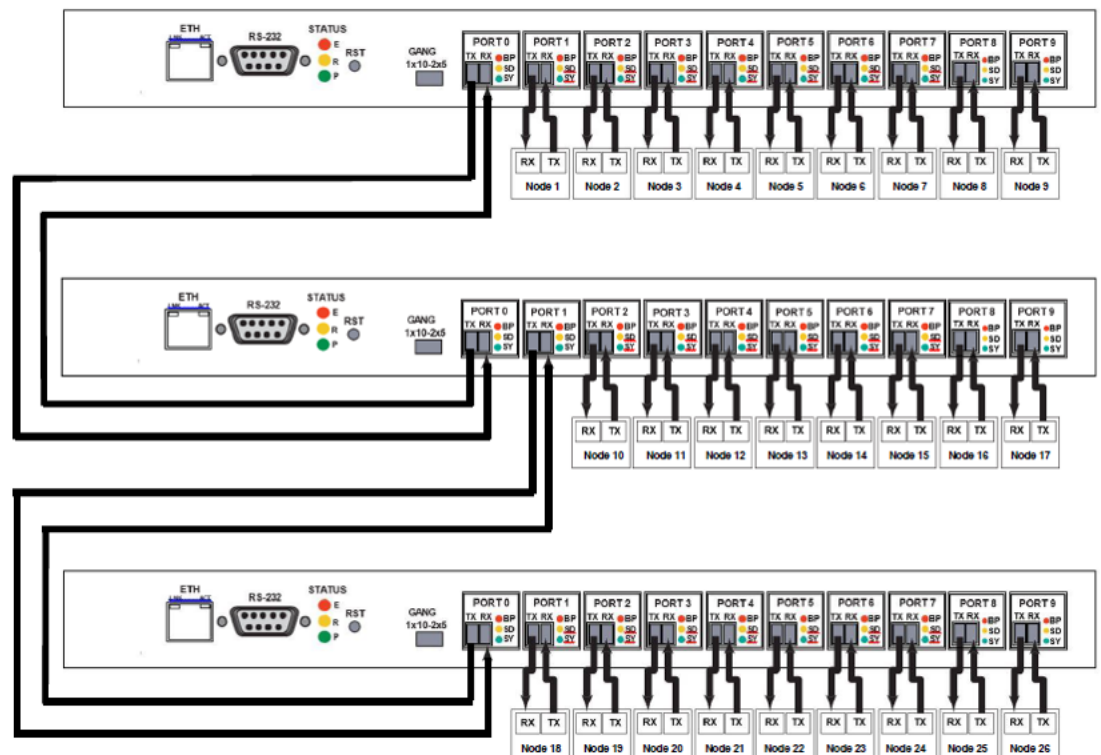
DCC-5597 FUNCTIONAL BLOCK DIAGRAM



EXAMPLE OF CASCADING THREE DCC-5597



*27 Nodes with
Simplex Cables*



*26 Nodes with
Duplex Cables*

FEATURES

NETWORKING	Up to ten (10) SFP+ transceivers that can be configured as either one (1) group of ten (10) ports, labeled 1x10, or two (2) groups of five (5) ports, labeled 2x5 controlled by a GANG switch
LAN	One (1) 100Base-T ethernet port with access via web-based interface
SERIAL	One (1) RS232 port with access via Command Line Interface
CABLING	One (1) duplex LC-type fiber-optic cable or two (2) simplex LC-type fiber-optic cables per SFP transceiver
POWER REQUIREMENT	21 to 32 VDC
MECHANICAL	Dimensions (H x W x D): 3.2" x 15" x 5"
MTBF	431,524 hours
ENVIRONMENTAL	Operating Temp.: 0°C to +65°C Storage Temp.: -40°C to +85°C Humidity: 20% to 80% RH, non-condensing
COMPLIANCE	Meets the requirements for:
	International:
	EN55035, EN55302, EN55022 IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8
	USA: FCC Part 15, Subpart B, Section 109, Class A Canada: ICES-003 Class A Safety: EN62368-1, UL62368-1, CSA62368-1

ORDERING INFORMATION

Contact us at **855.365.2188** or visit jsquared.com/general-inquiries to begin the ordering process.

