DATA DISTRIBUTION SYSTEMS
FAMILY

Different sensors and systems have to communicate seamlessly and in real time in order to achieve precision and reliability.

The challenge here is communication between different languages and dialects in real time.
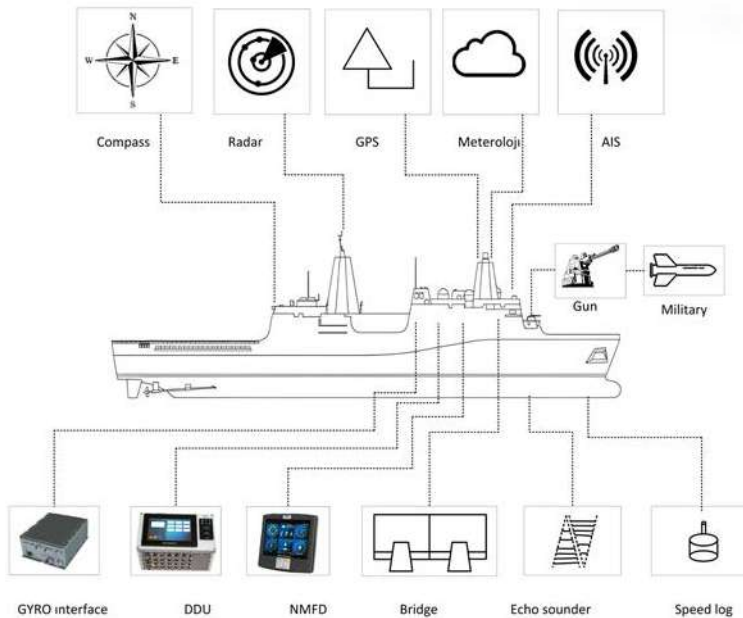

NDDS-300

NDDS-1000

| Compass | Radar | GPS | Meteoroloji | AIS |

MICRO DDU

| GYRO interface | DDU | NMFD | Bridge | Echo sounder | Speed log |

Gun   Military

Berkin Data Distribution Systems family ensures seamless and real-time reliable communication between platform systems and sensors while maintaining cutting edge unique redundancy technology.

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- Scalable and modular system
- Real-time operating system
- Display sensor data and status
- Data Accuracy Check (Data Consistency)
- Project independent customizable architecture

DATA DISTRIBUTION SYSTEMS FAMILY

TECHNICIAL SPECIFICATIONS	NDDS-1000	NDDS-300	MICRO DDU
Ethernet, Synchro, USB, Relay, CAN, etc. IO	√	√	
SSD Backup and Playback	√	√	
User Configurable	√	√	√
Bypass (Battle Short)	√	√	
Soft Porting	√	√	
Real-time	√	√	√
Fixed Jitter Delay	√	√	√
Serial Input-Output Gates	100+	40+	8
Supply Voltage	18-36 VDC 115-230 VAC (50/60 Hz)	18-36 VDC 115-230 VAC (50/60 Hz)	18-36 VDC
Power Consumption	600 VA	60 VA	25 W (24 VDC)
Screen	10.1" Resistive	10.1" Resistive	External
Protocol	NMEA 0183 MIL-STD-1553 ARINC 429 Can Bus SPECIAL PROTOCOL	NMEA 0183 SPECIAL PROTOCOL	NMEA 0183 SPECIAL PROTOCOL
Interfaces	RS-232/422/48 GB LAN Can Bus Synchro etc.	RS-232/422/485 GB LAN Can Bus Synchro etc.	RS-422/485 Can Bus Ethernet
COMPATIBILITY			
Environmental Conditions	MIL-STD-810G	MIL-STD-810G	MIL-STD-810G
EMI/EMC	MIL-STD-461	MIL-STD-461	MIL-STD-461
Vibration	DOD-STD-167-1	DOD-STD-167-1	DOD-STD-167-1
Mechanical Shock	MIL-S-901D Grade-A, Grade-II Type-A	MIL-S-901D Grade-A, Grade-II Type-A	MIL-S-901D Grade-A, Grade-II Type-A
Boxing	MIL-STD-108	MIL-STD-108	MIL-STD-108
Power Supply	MIL-STD-1399 Section 300 (STANAG 1008)	MIL-STD-1399 Section 300 (STANAG 1008)	MIL-STD-1399 Section 300 (STANAG 1008)

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