

# 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.



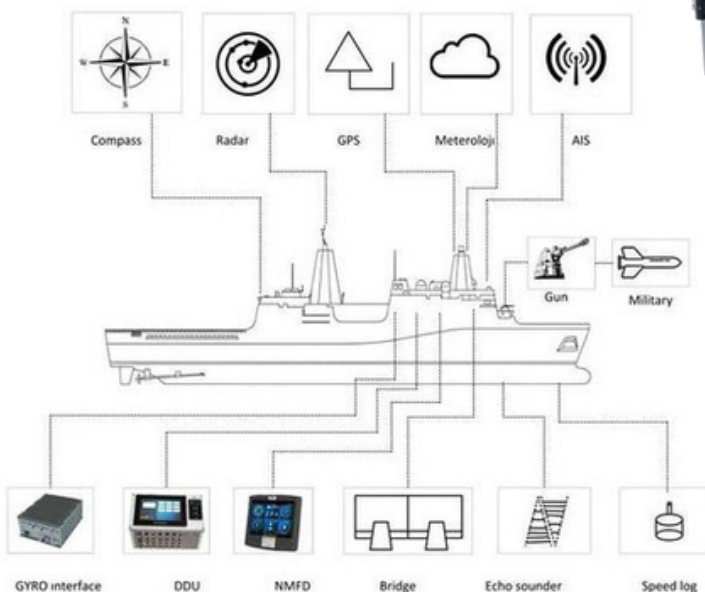
**NDDS-300**



**NDDS-1000**



**MICRO DDU**



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

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



TECHNICAL 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+	✓	✓
Supply Voltage	18-36 VDC 115-230 VAC (50/60 Hz)	18-36 VDC 115-230 VAC (50/60 Hz)	8
Power Consumption	600 VA	60 VA	18-36 VDC
Screen	10.1" Resistive	10.1" Resistive	25 W (24 VDC)
	NMEA 0183 MIL-STD-1553 ARINC 429 Can Bus		External
Protocol	SPECIAL PROTOCOL RS-232/422/485 GB LAN Can Bus Synchro etc.	NMEA 0183 SPECIAL PROTOCOL	NMEA 0183 SPECIAL PROTOCOL
Interfaces		RS-232/422/485 GB LAN Can Bus Synchro etc.	RS-422/485 Can Bus Ethernet
COMPATIBILITY			
Environmental	MIL-STD-810G MIL-STD-810G MIL-STD-810G		
Conditions 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, MIL-S-901D Grade-A, MIL-S-901D Grade-A, Grade-II Type-A Grade-II Type-A Grade-II Type-A		
Boxing	MIL-STD-108 MIL-STD-108 MIL-STD-108		
Power Supply	MIL-STD-1399 Section 300 MIL-STD-1399 Section 300 MIL-STD-1399 Section 300 (STANAG 1008) (STANAG 1008) (STANAG 1008)		