Secure Digital Intercommunications

Interface Control Unit (ICU)

Extended Control Audio Panel (EXCAP)

Low Profile Control Audio Panel (LPCAP)

Medium Control Audio Panel (MCAP)

Interphone Station
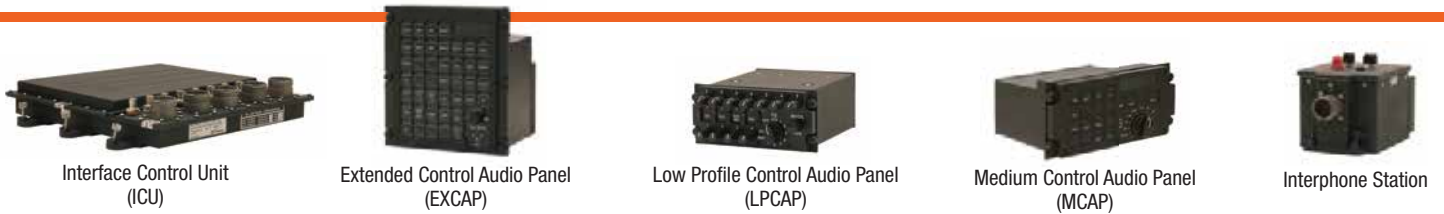
LRU	Dimensions in. (mm), H x W x D			Weight, lb. (Kg)	Power, Watts +28 Vdc	MTBF, Hours (AIC)	MTBF, Hours (RW)
ICU	3.00 (76.2)	12.00 (304.8)	12.00 (304.8)	9.0 (4.1)	28.0	>33K	>11K
EXCAP	6.38 (123.8)	5.75 (146.0)	5.50 (139.7)	5.3 (2.4)	18.0	>54K	>16K
LPCAP	2.65 (67.3)	5.75 (146.0)	6.50 (165.1)	2.5 (1.1)	12.0	>61K	>17K
MCAP	3.00 (76.2)	5.75 (146.0)	6.50 (165.1)	2.5 (1.0)	15.5	>55K	>16K
Interphone Station	3.91 (99.3)	4.27 (108.5)	5.13 (130.3)	3.0 (1.3)	9.0	>82K	>25K

Basic SDI System Block Diagram
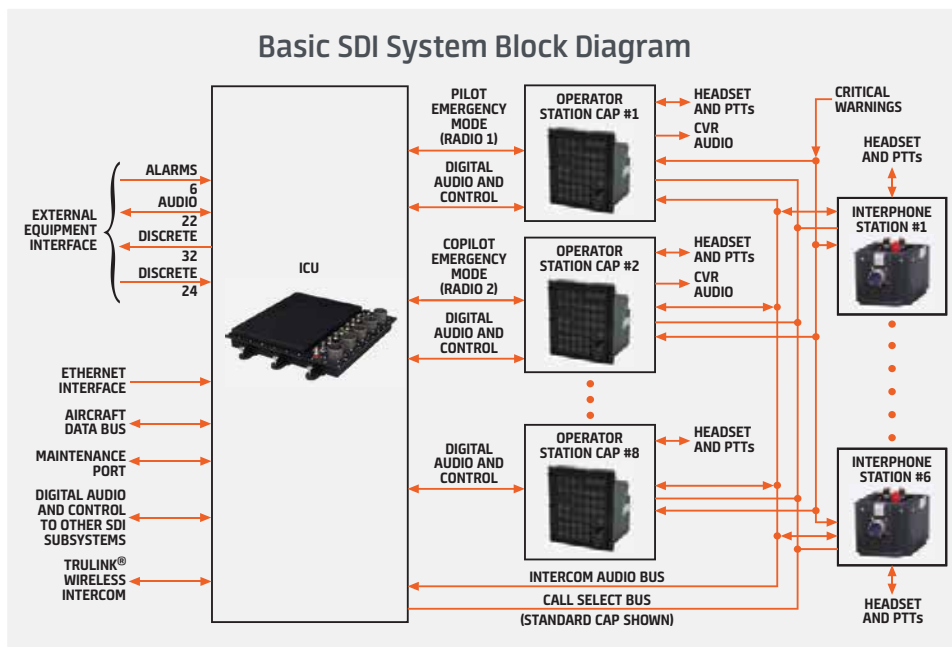
Key Features

- Common hardware, low life-cycle cost
- Modules support growth of up to 32 crew stations and 88 audio channels with no degradation in performance
- Open system architecture network structure based on accepted industry standards
- Full system redundancy for mission-critical crew stations

- Ethernet interface
- Low Size, Weight and Power-Cost (SWaP-C)
- Meets red/black isolation requirements
- Accommodates simulcast and radio relay operations
- Backup mode for emergency operation
- Accommodates wireless crew members (TruLink®)

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