

SYMETRICS

IDM

Improved Data Modems Product Line



Enabling digital
battlefield interoperability

Symetrics' IDM Products

Symetrics Industries manufactures and supplies complex electronic assemblies for commercial and military applications. Symetrics offers digital communications solutions with a full line of Improved Data Modems (IDM) in various form factors including a software-only version with optional imagery transmission capabilities. Lightweight and low cost, the IDM gives pilots and ground forces digital interoperability that employs existing voice radios and cryptos.

	 IDM-302	 IDM-3021 <i>(Prototype)</i>	 IDM-304	 IDM-304B	 IDM-501	 IDM-MINI	 PC-104	 Weapons Data Link <i>(Prototype)</i>	 VME-IDM	 UROC
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Protocols										
MIL-STD-188-220										
MIL-STD-2045-47001		X	X	X	X	X	X	X	X	X
MIL-STD-6017 (VMF)										
AFAPD	X	X	X		X	X	X	X	X	X
TACFIRE	X	X			X	X	X	X	X	X
MTS (Marine Tactical System)	X	X				X	X	X	X	X
IDL (Interflight Data Link)	X									
PTAC (PRISM)	X	X			X	X	X		X	X
Interfaces										
Radio Channels: Analog or Digital	4	4	6	6	4	2	2	1	4	2
Video Interface: PRISM (option - Photo Reconnaissance Intel Strike Module)	X	X			X	X			X	
Host Interfaces										
MIL-STD-1553B	X	X	X	X	X					
RS-422 or RS-232		X			X	X	X	X	X	
Ethernet			X	X	X	X	X	X		
VME									X	
USB										X
Physical Characteristics										
Weight (lbs)	13	11	16	14	8.5	1.75	0.16	5	1	0.7
Dimensions (inches)	5.4x7.5x9	5.4x7.5x9	5.4x7.5x9	5.4x7.5x9	3.6x8.8x7.4	5.2x5x2.8	PC-104	5.6x5.2x3.5	9.2x6.3x.6	~6' cable
Power Requirements (watts)	40	15	30	35	13	4.5	1.3	25	7	1.25
Service Life (years)	20	20	20	20	20	30	30	-	30	20
MTBF (hours)	6,200+	20,000	5,000+	2,500	5,000+	31,000	44,000	-	5,000+	44,000



SYMETRICS INDUSTRIES

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Symetrics Industries is a subsidiary of Extant Components Group, Inc. | AS9100B C & ISO 9001:2009 Certified



Symetrics has an Electronic Warfare (EW) product line highlighted by the AN/ALE-47(V) Countermeasures Dispenser System (CMDS) and provides licensing and obsolescence management services for legacy electronics systems.