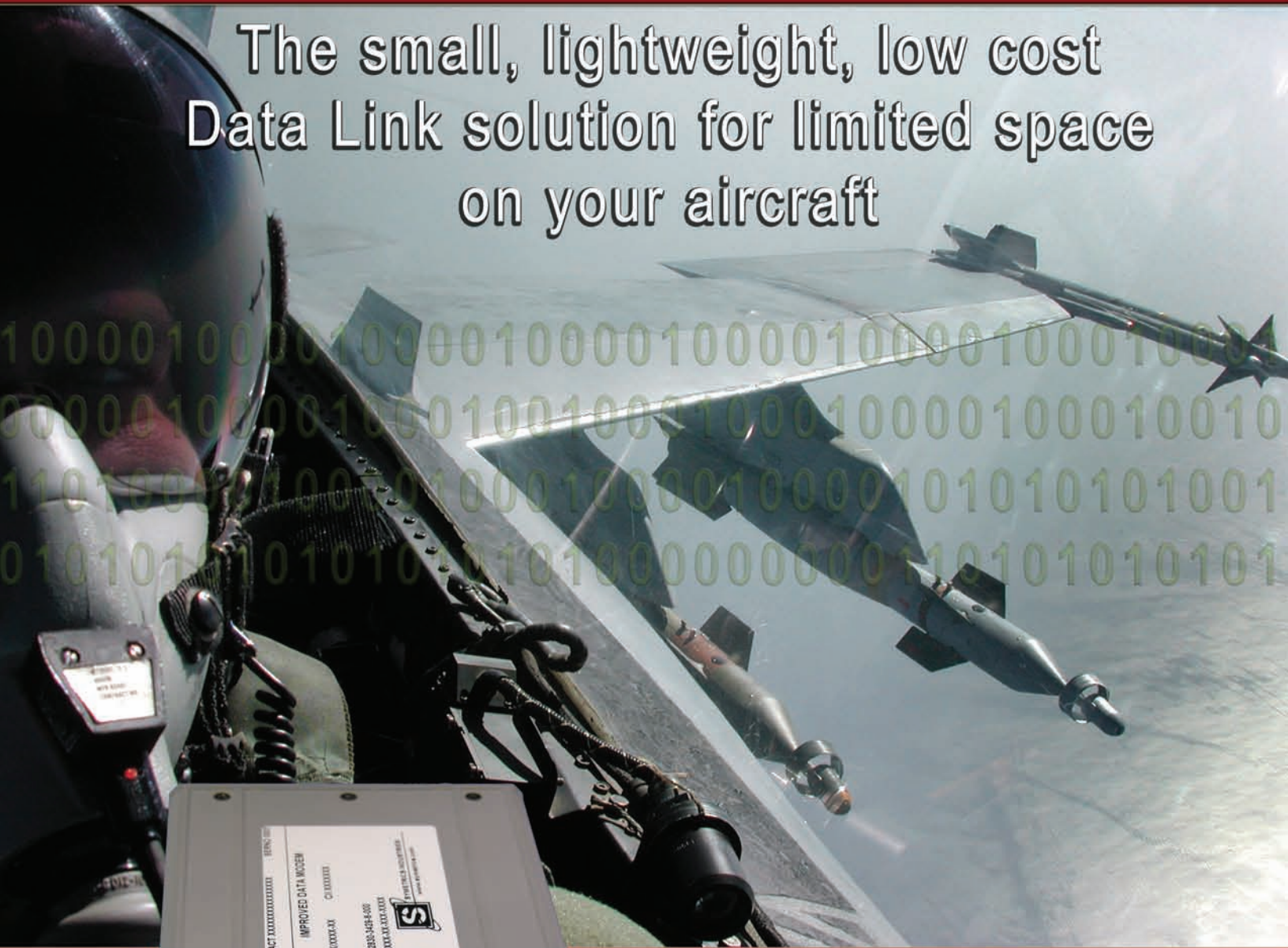


MINI-IDM & PC/104

Network-Centric Warfare Solutions

“SIZE MATTERS”

The small, lightweight, low cost
Data Link solution for limited space
on your aircraft



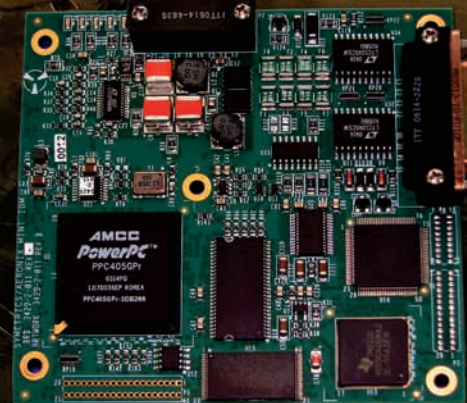
**SYMETRICS
INDUSTRIES**

Give us an inch, we'll give you a Data Link

Two channel
V/UHF comms
for that
"last mile"!

Symetrics' Family of
IDM products are
flight-proven,
off-the-shelf systems
that provide an open
architecture, multi-path
approach to situational
awareness in the
cockpit, while
facilitating the
development and
fielding of a
Network-Centric Warfare
(NCW) capability.

Target
Imagery
in the
cockpit!



Mini-IDM

Connects to existing voice radios and crypto to provide connectivity to the digital battlefield using the latest and legacy protocols

PC/104 IDM

Designed for all applications that have extreme space limitations but with available space within another LRU supporting a PC/104 structure.

Mini-IDM with PRISM

The Mini-IDM can be installed with Photo Reconnaissance Intel Strike Module (PRISM) Technology to support imagery Transmission over the same Combat Net Radios used for digital data.

	PC/104	Mini-IDM	Mini-IDM with PRISM
Dimensions	3.77 x 3.55 x 0.6 in (9.58 x 9.02 x 1.52 cm)	5.24 x 5.02 x 2.77 (13.34 x 12.83 x 7.036 cm)	5.24 x 5.02 x 2.77 (13.34 x 12.83 x 7.036 cm)
Weight	0.16 lbs (0.07 kg)	1.75 lbs (.78 kg)	1.75 lbs (.78 kg)
Power	1.3 Watts @ 5vdc	4.5 Watts @ 28vdc	6.5 Watts @ 28vdc
Cooling	No special cooling requirements over the operational temperature range		
Reliability/MTBF	44,000 hours (predicted)	31,000 hours (predicted)	21,000 hours (predicted)
Service Life	30 Years		
Environmental			
Temperature	-40° C to +71°C ambient		
Vibration	MIL-STD-810		
EMI/EMC	MIL-STD-461		
Control Interface(s)	RS-422	Ethernet, RS-232, RS-422, USB	
Integration	Easy		
Interoperability	Yes, will communicate with legacy and future systems		
Memory Storage Capacity and Type	256MB SDRAM, 4MB SRAM, 256KB EEPROM, 32MB Flash		
Message Protocols	AFAPD, TACFIRE, IDL, MIL-STD-188-220		AFAPD, TACFIRE, IDL, MIL-STD-188-220, PTAC
Radio Interfaces	2 Primary channels; each can be configured for high impedance Analog (FSK, ASK) or Digital (MIL-188-114, NRZ Synchronous or Asynchronous)		
Data Rates	Radio data rates are limited by the Radio to 16k baud. Host serial port is limited to 115k baud.		
Expansion Potential	PRISM Imagery circuit card can be added.		PRISM Imagery circuit card added.
Supportability Scheme	2-level maintenance, no field maintenance required.		



SYMETRICS INDUSTRIES

1615 West NASA Boulevard. Melbourne, FL 32901
 Ph: (321) 254-1500 · Fx: (321) 259-4122 · info@symetrics.com