IXI Universal Printer Interface Unit (UPIU)

The Universal Printer Interface Unit (UPIU) is the COTS solution to replace all MILSPEC printers for AEGIS, AN/SQQ-89 Sonar and NTDS equipment.

UPIU is configured with multiple operating systems and printer drivers to allow user to print to most COTS printers.

UPIU resides outside of the critical core and runs Windows 10 so new COTS printer drivers can be added to the unit as required

UPIU is plug-and-play. It is designed to recognize the COTS printer and automatically configure itself for operation.

UPIU

Interfaces

End Equipment Interfaces
- NTDS Parallel Type A/B/C/H MS3124E22 connectors
- 10/100/1000 Copper Ethernet with RJ45 enclosed connector
- 10BASE-2 Coaxial Ethernet with coax connector

COTS Printer Interfaces
- 10/100/1000 Copper Ethernet with RJ45 enclosed connector
- USB 2.0 or 3.0 with an enclosed USB type A connector

Configuration Interfaces
- VGA Interface with enclosed db 15 connector
- USB 2.0 with an enclosed USB type A connector

UPIU Potential Printer Interfaces/Protocols

Model	Interface	Protocol
PT-540	NTDS Parallel	Custom
PT-548	NTDS Parallel	Custom
PT-548 (V)2 and (V)4	10Base2	LPD
HP Laser (Various)	Ethernet 10/100	PCL
Okidata (Various)	Ethernet 10/100	PCL
Xerox (Various)	Ethernet 10/100	PCL
Lexmark (Various)	Ethernet 10/100	PCL
Samsung (Various)	Ethernet 10/100	PCL
DataMetrics	Unknown	Unknown