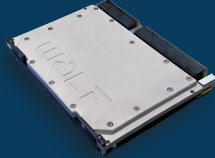# WOLF Advanced Technology

WINNING AT THE EDGE

WOLF FORM FACTORS

COTS, MCOTS, and CUSTOM (All products are available in COTS or MCOTS)
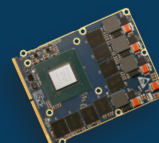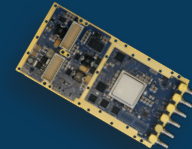
3UVPX 6UVPX VNX+ MXM/SFF XMC MXC
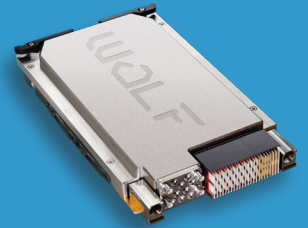
CHASSIS COOLING OPTIONS

Air Cooled (AC)
Conduction Cooled (CC)
Liquid Cooled (LC)
Air Flow (AFB)
Air Flow Through (AFT)

STANDARDS

SOSA Standard Payload Slot Profiles
PCIe Gen3+4 connectivity
OpenVPX and SOSA Video I/O
12/6/3G-SDI
CoaXPress
Camera/Channel Link

VIDEO FORMATS

ARINC 818-2/3
STANAG-3350 A/G/C
DVI
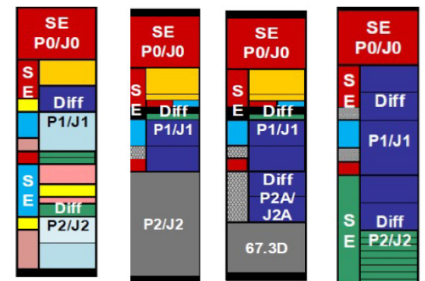DisplayPort
CVBS
LVDS and more

WOLF SOSA ALIGNED PRODUCTS

WOLF is a participating SOSA Consortium Member and is committed to aligning all our modules to the SOSA Specifications and Requirements for Defense and Aerospace Applications.

SOSA™
Sensor Open Systems Architecture

Profile	Description
14.2.16	(I/O Intensive)
14.6.11	(Payload with Coax/Optical on P2 or P2 depopulated)
14.6.13	(Payload with Coax/Optical on P2B or P2B depopulated)
14.4.15	(Switch Profile)

WHAT IS CONNECTX?

Embedded into WOLF's latest modules, a ConnectX SmartNIC (Smart Network Interface Controller) can provide significant benefits in terms of **network performance**, **security**, and **network management**. A ConnectX SmartNIC can improve network and application performance by offloading tasks from the CPU allowing for faster networks speeds. Also, ConnectX supports advanced security features such as IPsec, TLS, and SSL to help protect against network threats such as DDOS attacks and malware.

Our **WOLF-1471** Module boasts a
75 Ohm Coax Connector and also enables:
- 2x 12G-SDI Inputs
- 2x CVBS Inputs
- 4x 12G-SDI Outputs

BLEEDING EDGE AND MISSION CRITICAL MODULES

NVIDIA Jetson AGX Orin™ + CX7 SmartNIC + FGX Video

WOLF-14TZ/14T0

- NVIDIA Jetson AGX Orin for AI compute
- ConnectX-7 SmartNIC
- PCIe Gen5 & up to **100 GigE**
- **SOSA** Payload Slot Profiles (14.6.11 & 14.6.13)
- Mil/Aero Temp: -40°C - 85°C
- *Optional* WOLF FGX Video I/O (with 14T0)
  - SBC I/O Intensive Profile 14.2.16
  - SDI
  - CVBS
  - DP/HDMI/DVI

SOSA
Sensor Open Systems Architecture

NVIDIA RTX A4500 + CX7 SmartNIC

WOLF-144L

- NVIDIA RTX A4500 Ampere GPU
- CX-7 SmartNIC
- ConnectX-7 SmartNIC
- **SOSA** Payload Slot Profiles **(14.6.11 & 14.6.13)**
- GPUDirect and RoCE support
- Mil/Aero Temp: -40°C - 85°C

SOSA
Sensor Open Systems Architecture

VITA 90, VNX+ Small Form Factor

WOLF-VNX

- Designing and Developing to VITA 90 Specifications
- WOLF VITA 90 VNX+ modules under consideration:
  - AI Compute: **NVIDIA Jetson Orin NX**
  - Video I/O: **WOLF-FGX Frame Grabber**

SOSA
Sensor Open Systems Architecture

Contact WOLF for questions and quotes within 72 hours
wolf-at.com | sales@wolf-at.com | 905.852.1163

WOLF
ADVANCED TECHNOLOGY