

NG InSight™ Open System Processor

A family of affordable, advanced communications solutions enabling the right InSight™, at the right time, at the right place for increased survivability, maneuverability and lethality against



Using Northrop Grumman's trusted technologies in communications, networking, intelligence and cybersecurity, NG InSight™ offers a range of innovative, scalable and adaptable connectivity and processing solutions tailored to meet the demands of the most challenging mission environments. These solutions enable seamless connectivity, protection and faster decision-making delivered with reliability, affordability, and at mission speed.

Key Features

Open Standards

- OMS UCI 2.0, 3U OpenVPX and SOSA compliant
- Open architecture design across entire ecosystem of solutions
- Digital twin and containerization to reduce cost and accelerate new capabilities
- Rapid integration with 3rd party hardware and software

Mission-Focused

- Built-in redundancy and secure processing for complex and highly contested environments
- Dynamic reprogramming without replacing hardware

Platform-Conscious

- Adaptable – scalable and configurable for any platform
- Significant SWaP reduction for multi-domain capabilities
- Multi-level secure data sharing
- Designed to operate in air, ground, sea and space environments with air- and liquid-cooled variants

Capabilities

- Line-of-sight communications
 - MADL
 - Link 16
 - Direct line-of-sight communications (DLOS)
- Beyond line-of-sight communications
 - Hybrid military and commercial SATCOM
- Networking
 - Content routing
 - Remote command and control
 - System control and status
 - Mission-aware AI/ML orchestrator
- Crypto in certification
- Signals intelligence (SIGINT)
 - COMINT
 - ELINT
 - FISINT
- Non-kinetics effects
 - Offensive and defensive cyber operations (OCO/DCO)
 - Cyber security



Specifications*

- Size: 16" x 15" x 8"
(41 cm x 38 cm x 20 cm)
- Weight: 45 lbs
(20.5 KG)
- Power: 850 W
- Cooling: Liquid-cooled shown, air-cooled also available

* Size, weight and power are dependent on chassis type and configuration.

For more information, please contact:

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