

ATS Cortex-Neo™ Vision System



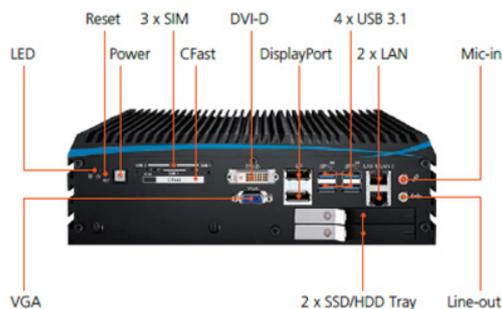
The ATS Cortex platform is an all-in-one vision device running ATS SmartVision software (licensing charged separately). The system is designed to reduce your integration time by providing an integrated vision solution that comes complete with standardized hardware and software.

The ATS Cortex-Neo can communicate with a Programmable Logic Controller (PLC) through a wide variety of field bus interfaces and can connect to a maximum of four (4) GigE PoE cameras. The unit also comes in varying levels of storage and RAM by model configuration to suit any application. The USB connectors are standard USB 3.1 plug and play connectors. These are used for the integrated backup device and other peripherals such as a keyboard and mouse. Included also is a backup/restore functionality for quick swap of any unit.

/// ATS Cortex-Neo™ Processor

FEATURE	NEO-1100	NEO-1101	NEO-1111
Physical Dimensions	260mm x 215mm x 79mm (10.2" x 8.5" x 3.1")		
Power Requirements	6-36 VDC		
Camera Connections	x4 GigE		
Camera Power	n/a - see ATS Cortex-Nexus Controller		
Light Power	Power Over Ethernet (PoE)		
Video	x2 DisplayPort, x1 DVI-D and x1 VGA Multi Monitor Support		
USB Ports	x6 USB 3.1		
Hardware Triggers	n/a - see ATS Cortex-Nexus Controller		
External USB Backup	Included		
Ambient Temperature Rating	-40C to +75C		
Processor	Intel 8th Gen 6-Core i7 with C246 chipset		
LAN Uplinks	x2		
Digital I/O	x16 Input x16 Output		
Protection Class	IP20		
Connector Locations	Front and Rear		
Mounting	Wall or Base		
Memory	16GB	32GB	32GB
Storage	32GB CFast	32GB CFast	3B CFast & 256GB Solid State
Weight	4.5 kg (9.92lbs)		

Front I/O



Rear I/O



Contact ATS directly for custom or product-specific applications beyond the scope of this document.



Contact us at lifesciences@atsautomation.com

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