



Compact 8"
Platform



Integrated Manual
Controls



Fast Battery
Access



Rugged Field
Reliability

DRAGONFLY ND-8 FLEX

**COMPACT GROUND CONTROL
WITH FAST BATTERY ACCESS**

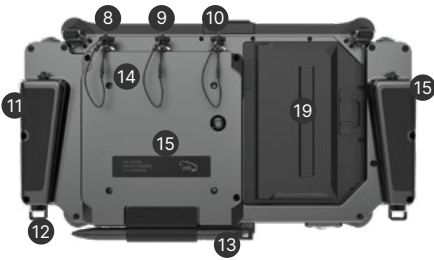
Dragonfly ND-8 Flex is a Rugged GCS built for mobile operations, featuring integrated controls and quick-swap batteries.

CONFIGURATIONS

Standard



FRONT VIEW



REAR VIEW



TOP VIEW

- 1 5 Push Buttons
 - 2 2-Axis Hall-Effect Joysticks
 - 3 Push Button with Protective Cover
 - 4 3-Way Control Switch
 - 6 1-Axis Hall-Effect Thumbwheel Switches
 - 7 USB 3.2 Gen 1 Type-A
- 8 J1 – Power
 - 9 J2 – Ethernet 10/100 + USB 2.0
 - 10 J3 – Ethernet 10/100 with Optional Power Output
 - 11 Grip Anti Slip Stickers
 - 12 Strap Anchors
 - 13 Stylus
 - 14 VESA 75×75 Mount Interface
- 15 ID Product Label with Client’s Logo
 - 16 Custom Function Labels
 - 17 Customizable Label with Client’s Logo
 - 18 Durabook R8 Rugged Tablet
 - 19 Easily Removable Battery
 - 20 Optional Detachable Kickstand

Optional Customizations



Mom-Off-Mom or On-On-On Toggle Switches

Can be installed instead of 1



2-Axis Hall-Effect Castle Joysticks

Can be installed instead of 2



Push Button with Protective Cover / 3-Way Control Switch

Can be installed instead of 3 or 4

WHY PARTNER WITH NTI SYSTEMS

1.
END-TO-END
DESIGN AND
MANUFACTURING

2.
PROVEN EXPERTISE IN
GCS ACROSS MULTIPLE
FORM FACTORS

3.
CUSTOM-BUILT SOLUTIONS
FOR MISSION-READY AND
INDUSTRIAL USE

SPECIFICATIONS

Powered by advanced Intel® architecture with flexible performance configurations.



OPERATING SYSTEM

Windows® 11 Pro
64-bit

DISPLAY

8.0" LCD (1280 x 800)
800 nits DynaVue®
sunlight readable display with
capacitive multi-touch screen

PROCESSORS

- Intel® Core™ i7-1250U (12th Gen) Processor with vPro™ (12MB Cache, up to 4.7 GHz, 2P+8E cores)
- Intel® Core™ i5-1230U (12th Gen) Processor with vPro™ (12MB Cache, up to 4.4 GHz, 2P+8E cores)
- Intel® Pentium® Gold Processor 8500 (8MB Cache, up to 4.4 GHz, 1P+4E cores)

RAM

Onboard 8GB up to 16GB (LPDDR4x)

STORAGE

128GB NVMe PCIe SSD
Optional 256GB/512GB/1TB PCIe SSD

SECURITY

- Intel® vPro™ Technology
- Secured-core PC
- TPM 2.0
- NIST BIOS compliant
- Stealth mode

POWER SUPPLY

- AC adapter 100-240V, 50Hz-60Hz, 65W
Optional 12-32 V DC input
- Main battery Li-Ion, 7.6V, 4800mAh
- *Optional* high-capacity Li-Ion battery 7.6V, 9600mAh
- *Optional* Swappable Battery – 5 minutes swap time. *The system will stay operating (within 300 seconds in standby mode) when user swaps the battery.*



**DESIGNED TO MEET
OPERATIONAL DEMANDS AND
MAINTAIN RELIABILITY IN ANY
ENVIRONMENT**

RUGGED

- Designed to meet MIL-STD-810/461
- IP-66 compliance

CONNECTIVITY

Ultra-rugged connectors

- Ethernet 10/100 x2
- USB 2.0
- TYPE A USB 3.2

COMMUNICATIONS

Integration of third-party GDT modules
Optional LTE, WI-FI/BT, GPS

ERGONOMICS

- VESA 75x75 Mounting
- Stylus
- Custom Function Labels
- *Optional* Detachable Kickstand



Specifications may vary depending on selected configuration.

COMPACT CONTROL WITH FLEXIBLE FIELD OPERATION



Dragonfly ND-8 Flex is built for operators who need a rugged and portable control system for demanding field missions. Based on a compact 8-inch platform, it combines responsive manual controls, durable construction, and simplified battery access in one mission-ready solution.

Its lightweight format supports mobile deployment across UAV, UGV, security, and industrial robotic applications, while NTI's customization capabilities allow each system to be tailored to specific operational needs.

KEY SECTORS



Mission-Ready Operations

Portable control of UAVs, UGVs, and field systems in demanding operational environments.



Industrial Robotics

Operation of robotic systems and autonomous equipment in industrial and production environments.



Remote Inspection & Monitoring

Infrastructure inspection, site monitoring, and field surveillance operations.



Remote Control Systems

Portable control of mobile platforms and mission-specific field systems.



Mission-Ready Rugged Devices

4539 Metropolitan Court
Frederick, MD 21704

info@nti-systems.com

www.nti-systems.com

