Secure communications and accurate situational awareness are key to any size mission. The next generation of Xiphos® Macro is the most powerful and flexible member of the Xiphos family of products and optimized for larger scale deployments.

Xiphos Macro is a tactical, ruggedized (MIL Standard) and scalable on-the-move 4th Generation (4G) Long Term Evolution (LTE) / 5G New Radio (NR) broadband solution that can operate in a stand-alone or networked environment. It is highly scalable and provides high data throughput, operating as a compact system to a small group of users in a defined coverage area, or a high capacity configuration that services a large number of users within a wide coverage area.

Xiphos Macro is based on Ericsson’s world leading LTE macro radio technology, which delivers superior RF output power and range, providing 5-7 miles of range in a typical tactical environment and over 50 miles of range for airborne deployments with a clear line of sight.

The optional Advanced Network of Xiphos (ANOX) capability enables on-the-move systems to recognize each other and make intelligent decisions on how to work together to provide the best connectivity to end-users.

Xiphos Macro is a robust system with features and functionality that empowers
Key Benefits

**Mission-Critical Operations:** Supports mission-critical operations by providing users access to fast mobile broadband connectivity.

**Easy-to-Use:** Installs easily, operates autonomously and powers up fast for operation in minutes.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.

**Flexible Rugged Configurations:** Xiphos is based on rugged modular HW components that provide deployment flexibility and scalability.

**Based on Commercial Technology:** The use of standards-based carrier grade commercial 4G LTE technology in Xiphos allows customers to leverage industry innovation and economies of scale to lower costs and to equip users with best-of-breed tools, applications and smartphones.

**High Capacity Data Transfer:** Xiphos Macro’s high capacity enables applications to transfer large amounts of data in a fast and cost efficient manner.

**Multitude of LTE Frequencies:** Supports a full range of Frequency Division Duplex (FDD) and Time Division Duplex (TDD) frequency bands, and it is compatible with commercial 4G LTE devices.

**LTE Frequency Flexibility:** Supports concurrent use of up to three (3) different frequency bands per system. This allows customers to quickly adapt to an LTE frequency suited for a particular country/region and mission, and it enhances the interference resilience of the solution.

**Network Scalability:** Xiphos Macro can be deployed in a Network of Xiphos (NOX) configuration, allowing users to move between coverage areas while maintaining already established sessions. This provides flexible network scalability by increasing the aggregated coverage area, data throughput and concurrent connected radio sessions for each deployed system.

**Advanced Network Of Xiphos (ANOX):** The ANOX architecture allows a swarm of Xiphos systems on the move to dynamically learn about the presence of other Xiphos peer systems, and to make intelligent decisions on how to optimize network connectivity between them.

**Interference Detection:** Xiphos Macro detects LTE RF interference and displays an alarm on the dashboard.

**SON and QoS:** Xiphos Macro provides sophisticated carrier-grade functionality, such as support for Quality of Service (QoS), policy management and enforcement, Self Organizing Network (SON), priority and pre-emption handling and radio interface optimization.