



Grouper 100MPS

The Grouper 100MPS is Digital Ocean's proven wireless LAN Station for the Newton MessagePad.™ 100MPS provides connection to computers on an Ethernet network via the Digital Ocean Starfish Access Point. Each Starfish supports 31 Grouper, plus additional Grouper and greater coverage areas are supported using Starfish equipped with the microCellular roaming feature.



Grouper 100MPS+

The Grouper 100MPS+ supports external devices for data collection and printing, including barcode scanners, magnetic card or badge readers, printers and other serial devices with a mini-DIN-8 connector. Applications ranging from monitoring the growth of a plant, to monitoring patient conditions in a hospital, to following material through a warehouse, to enrolling students at a university can be performed wirelessly.

Optional protective cases are available.





Operating Environment

Temperature	40° to 104° F
Humidity	20-80%, non-condensing

Radio

Frequency Band	902 to 928 MHz DSSS
Data Rate	2 Mbps raw throughput*
Bit Error Rate	10 ⁻⁸
Transmit Power	250 mW
Antenna	Dual diversity
FCC Certification	Class B (no user license required)
Range	Up to 500 feet (depending on environment)

*throughput is protocol, network traffic and bridging dependent

Physical Characteristics

Footprint	4.1" (w) x 1.2" (d)
Height	7.5"
Weight	18 OZ. (battery included)

Power

Grouper operates from a rechargeable NiCad battery pack that achieves 5 hours (continuous usage) to several days (intermittent usage).

AC adapter powers Grouper and charges battery pack.

Interface

Grouper 100MPS and 100MPS+ plug into a standard mini-DIN-8 connector of any Apple Newton MessagePad, Apple Macintosh, printer, or other LocalTalk device that supports AppleTalk Phase II protocols.

Grouper communicates with Ethernet networks through the Digital Ocean Starfish Access Point.

Reliability

Grouper's spread spectrum technology and dual diversity antenna provide a robust channel which is extremely resistant to electromagnetic and multipath interference.

Security

A user designated "School Name" is used to derive a network ID which serves as a necessary password for Grouper communication.

Grouper may be configured to communicate only with other registered units identified by their factory-assigned unique identifier.

Software

Macintosh-based Administration utility configures and monitors network usage, security, performance, and reliability.

Internal diagnostics ensure proper operation.

Warranty

Grouper is backed by a 1-year limited warranty.

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