



Selection Guide

Data Loggers & Telemetry Solutions

XLINK 2000 • XLINK 500 • SatLink 3 Family • SensorLink 1000



SELECT THE BEST FIT

Start with the application. Compare connectivity, sensor interfaces, power, cybersecurity, scripting, display and lifecycle requirements.

Portfolio Note

Ott netDL 500 & 1000 are not included in this guide because they are legacy platforms supporting existing installations and are expected to move toward end-of-life soon, making XLINK 2000, XLINK 500, SatLink 3 Family and Sensor Link 1000 the preferred options for new deployments.

XLINK 100 is a member of the XLINK 500 product family and shares the same software platform, communication options and operating concept, while XLINK 500 provides additional I/O capabilities, enhanced analog measurement functions and Python scripting for more advanced monitoring applications



Access Datalogger Overview on Ott.com

[Ott Resources](#) | [Technical Support](#)

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Start with monitoring requirements

The best-fit logger is determined by the application, communications, station design, power budget and lifecycle priorities.

Application	Hydrology, flood warning, water quality, meteorology or urban monitoring.
Communications	Cellular, Ethernet, Iridium, GOES, METEOSAT, INSAT or other network requirements.
Station design	Display, cameras, sensor interfaces, scripting, enclosure size and installation concept.
Lifecycle	Power, investment level, cybersecurity, remote management and future development needs.

Selection Checklist:

- ✓ Which **parameters** and **sensors** are required?
- ✓ Is a local **display** or **camera** needed?
- ✓ Which **telemetry path** is required?
- ✓ What **power budget** and **station size** apply?
- ✓ Are **Python scripting** or **automation** required?
- ✓ Which **cybersecurity** and **lifecycle** priorities apply?





XLINK 2000

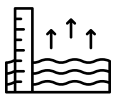


Modern Connected Monitoring Platform - When Does it fit to Your Application?

CHOOSE XLINK 2000 WHEN:

- A local display is required
- Ethernet connectivity is required
- Camera support is required
- Advanced cybersecurity is required
- Secure remote access is important
- Future software and firmware enhancements are desired
- Modern IP-based infrastructure is used

TYPICAL APPLICATIONS



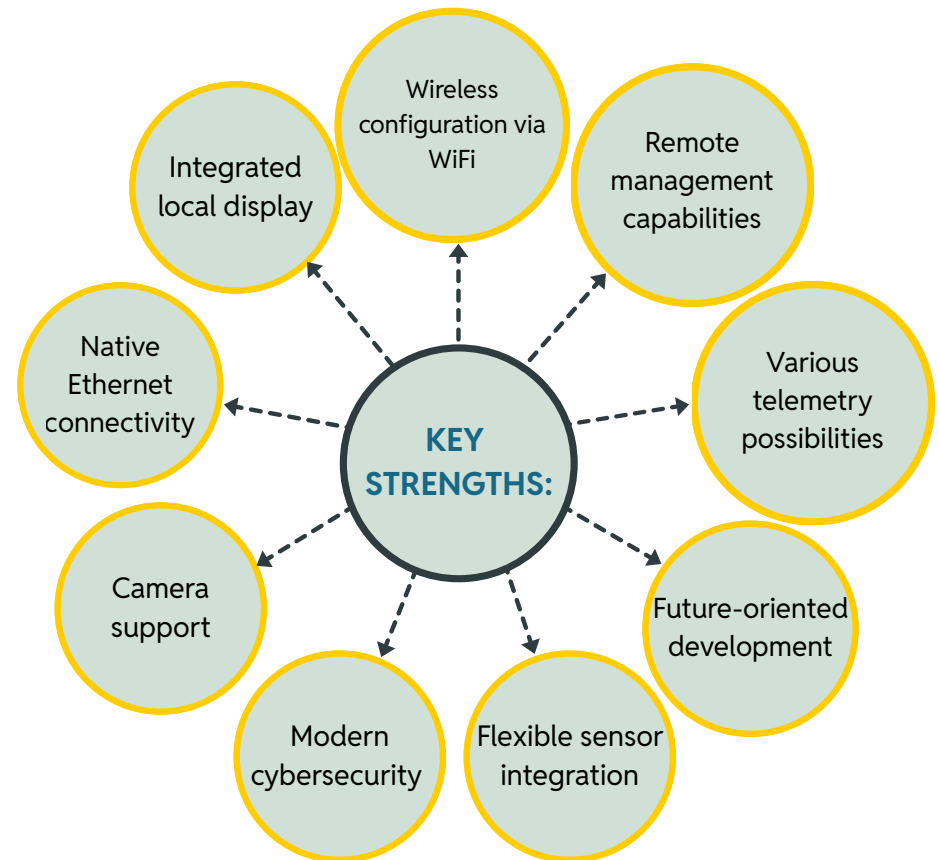
River gauging and flood warning



Water quality monitoring



Urban, utility and environmental networks





XLINK 500

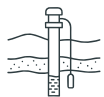
Compact, Low-Power & Flexible Monitoring Platform



CHOOSE XLINK 500 WHEN:

- Low power consumption is important
- A compact station footprint is preferred
- Project budget is a key consideration
- Python scripting is required
- Cellular communication is sufficient
- Optional Iridium satellite communication is desired
- Existing XLINK installations are being expanded
- Flexible multi-sensor integration is required

TYPICAL APPLICATIONS



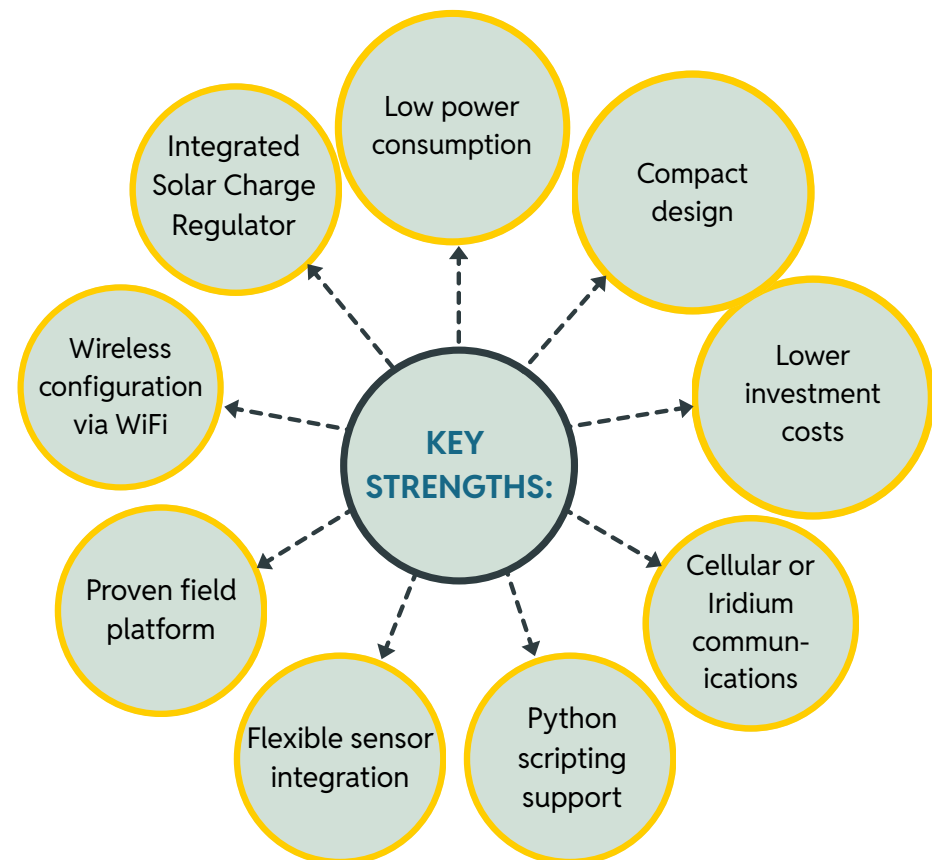
Groundwater and remote environmental monitoring



Cost-sensitive and solar-powered stations



Projects requiring scripting and automation



SatLink 3 Family

Professional satellite telemetry platforms for remote hydrological and meteorological stations.



CHOOSE SATLINK 3 WHEN:

- Satellite telemetry is mandatory
- GOES, METEOSAT or INSAT networks are used
- Cellular coverage is unavailable or unreliable
- Remote autonomous stations are deployed
- National hydrological network requirements must be fulfilled

SL3-1

Professional satellite platform

- Advanced satellite telemetry applications
- National hydrological services and large networks
- Maximum functionality and established workflows

SatLink 3 Lite

Cost-optimized satellite platform

- Basic satellite telemetry applications
- Smaller or budget-sensitive stations
- Simplified feature set and deployment

Family selection guidance:

Maximum functionality or national network	SL3-1
Basic satellite station or lower investment	SatLink 3 Lite
GOES / METEOSAT / INSAT	Select the family member matching the required feature set



SensorLink 1000

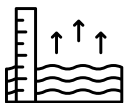
Dedicated Ott RLS 500 / PLS 500 Monitoring Platform



CHOOSE XLINK 2000 WHEN:

- An Ott RLS 500 / PLS 500 station is being deployed
- Maximum simplicity is desired
- A compact autonomous system is required
- Solar-powered operation is preferred
- Minimal configuration effort is important

TYPICAL APPLICATIONS



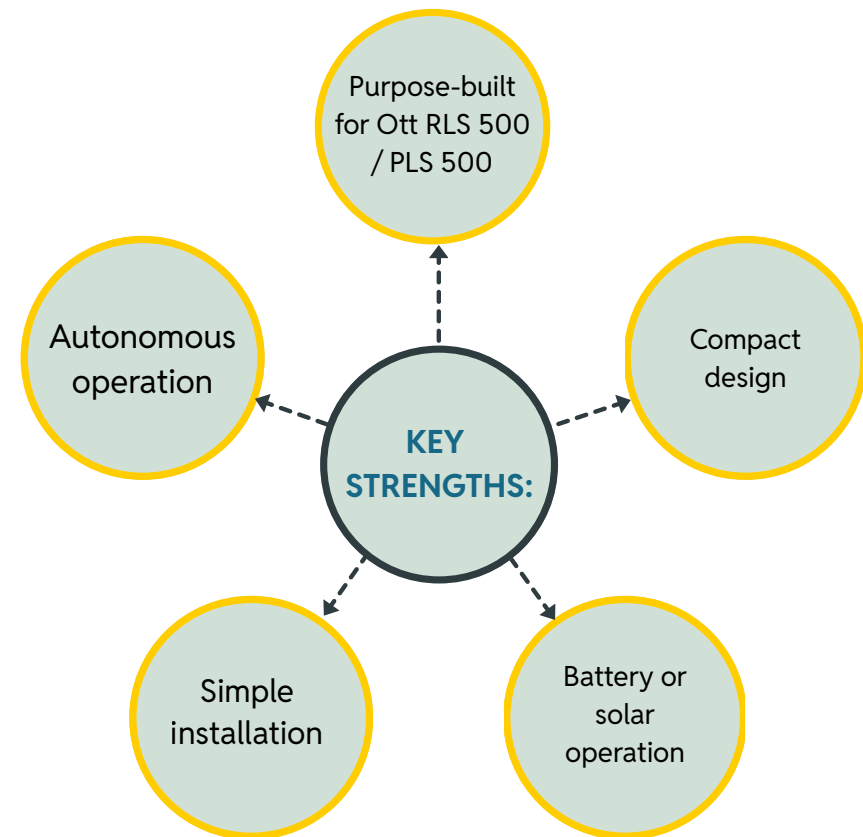
Water level monitoring



Autonomous flood warning stations

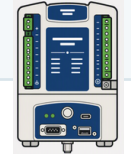
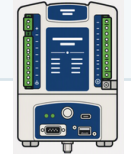


Remote level and infrastructure monitoring



Portfolio comparison

Use the requirements below as a structured starting point. Final selection should reflect the complete station design.

Requirement	Potential best fit
Local display	XLINK 2000 
Ethernet / camera / advanced cybersecurity	XLINK 2000 
Compact, lower-power station	XLINK 500 
Python scripting / optional Iridium	SL3-1 / XLINK 500 
Professional GOES / METEOSAT / INSAT telemetry	SL3-1 
Basic, cost-focused satellite telemetry	SatLink 3 Lite 
Dedicated Ott RLS 500 / PLS 500 station	SensorLink 1000 

Portfolio comparison

Use the requirements below as a structured starting point. Final selection should reflect the complete station design.

Ethernet connectivity	Camera integration	Cybersecurity by design
Native Ethernet supports integration into IP-based infrastructures and reliable local network access.	Camera support can add visual context to environmental measurements.	Security-focused operation requires controlled access, protected communication and an update path.
• Network-based station access • Integration with established infrastructure • Foundation for connected monitoring networks	• Remote site observation • Alarm and event verification • Improved situational awareness	• Individual user access and password controls • HTTPS and TLS-based communication capabilities • Firmware evolution and security improvement path



Portfolio comparison

A balanced selection starts with requirements and uses each platform where its strengths create the greatest customer value.

XLINK 2000

Display, Ethernet, camera support, cybersecurity and modern IP integration.

XLINK 500

Compact, lower-power and cost-conscious stations, Python scripting, cellular or optional Iridium.

SatLink 3 Family

SL3-1 for professional satellite networks; SatLink 3 Lite for basic, cost-focused satellite stations.

SensorLink 1000

Dedicated, compact and autonomous Ott RLS 500 / PLS 500 stations.

APPLICATION-DRIVEN. BALANCED. FUTURE-READY.