

AN OPERATOR APPLICATION

Broadband Continuity Solutions

Keep the ONT powered. Help avoid unnecessary restarts.



A brief interruption does not need to start a long wait.

DC backup for a compatible ONT, with power and connections selected for the installation.



Broadband Continuity Solutions

Keep the ONT Powered.

Help Avoid Unnecessary Restarts.

A brief power interruption can leave customers waiting for their ONT to restart and reconnect. Repeated power bumps can mean repeated restarts—even while the operator network remains available. Keeping the ONT powered helps avoid these unnecessary interruptions at the customer's premises.

ComponexX Broadband Continuity Solutions provide compact DC battery backup for compatible 12 V ONTs and gateways. A single-output design supports a simple ONT-only installation, with the flexibility to add a compatible separate router when required.

Why Broadband Continuity Matters

HELP AVOID UNNECESSARY RESTARTS

Helps keep the connected ONT powered through brief interruptions and repeated power bumps, reducing power-related shutdowns and restart cycles.

KEEP THE ONT OPERATING THROUGH OUTAGES

Battery backup can keep the connected ONT operating during a local power outage. Runtime depends on equipment load, battery condition and charge level.

SIMPLE INSTALLATION. OPTIONAL ROUTER BACKUP

One DC output powers the ONT. An optional Y-cord allows a compatible ONT and separate router to share that output within its combined power limit.

BUILT-IN ELECTRICAL PROTECTION

The UPS incorporates overcharge, over-discharge, overvoltage, overcurrent and short-circuit protection.

*Backup applies only to connected, compatible equipment. Continued internet service also requires the operator network and all other equipment needed for the connection to remain operational.



ONT backup is the standard configuration. Operators can select the arrangement that fits their deployment.



The 15-Second Problem

Power Returns.

The Waiting Continues.

A power interruption may last only 15 seconds. The ONT's restart and reconnection can take much longer.

If power drops again during recovery, the cycle can begin again. Battery backup helps keep the connected ONT operating through these interruptions, avoiding repeated power-related restarts.



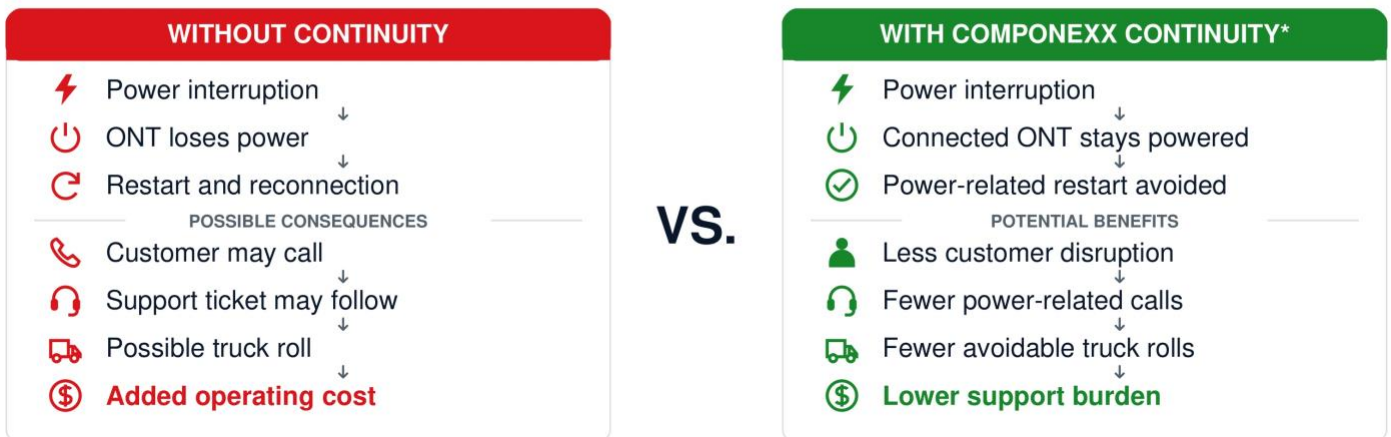
KEEP THE ONT ON

Maintaining power through brief interruptions helps avoid the shutdown and restart cycle before it begins.

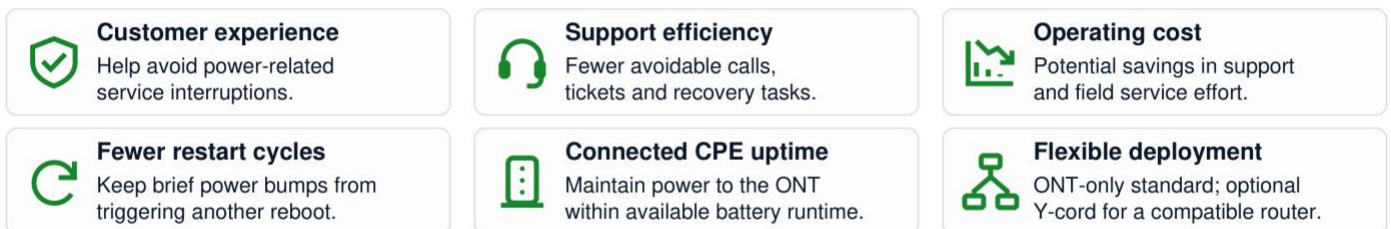
Power returns quickly. Service recovery can take longer.

THE 15-SECOND PROBLEM

A brief power interruption can trigger a much longer recovery.



BEYOND THE 15 SECONDS: POTENTIAL OPERATOR VALUE



CONTINUITY TIP

Repeated power bumps can trigger repeated restarts. Keep the connected ONT powered through the interruption.

*Illustrative scenario. Backup covers compatible, connected equipment within the UPS rating and available runtime. Service continuity also requires the operator network and all other necessary equipment to remain operational.



BROADBAND CONTINUITY

The ComponexX Approach

START WITH THE ONT.
ADD ROUTER BACKUP
WHEN NEEDED.

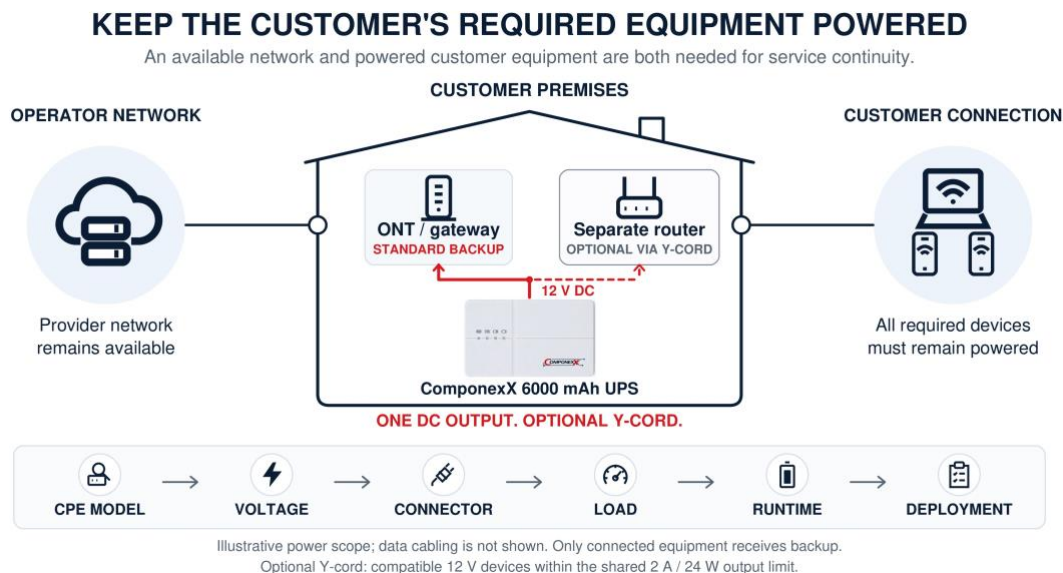


Broadband Continuity
The ComponexX Approach

KEEP THE ONT
POWERED
THROUGH LOCAL
POWER INTERRUPTIONS

Effective continuity starts with matching backup power to the equipment that needs it.

ComponexX matches DC backup to the operator's deployed ONT or gateway and required runtime. Start with one compatible device; add a separate router through the optional Y-cord when the deployment requires it.



MAINTAIN

Help keep the connected ONT operating through local power interruptions and avoid unnecessary restarts.

PROTECT

Built-in protection includes overcharge, over-discharge, overcurrent, overvoltage and short-circuit protection.

SIMPLIFY

Use a single DC output for the ONT. Add the optional Y-cord only when a compatible separate router also requires backup.



Broadband Continuity

Applications

BACKUP THAT FITS THE DEPLOYMENT.

Broadband deployments vary. The starting point is the same: identify the operator's ONT, modem or gateway and confirm its power requirements.

ComponexX provides DC backup for compatible 12 V equipment. Begin with one device, then add a compatible separate router through the optional Y-cord if required.

APPLICATION TIP

Match voltage, connector size and polarity to the deployed equipment. Check the combined load and validate runtime with the actual CPE

FIBER BROADBAND

Compatible 12 V ONTs and gateways
Keep the fiber-access device powered through brief local interruptions.

CABLE BROADBAND

Compatible 12 V cable modems and gateways
Back up the cable-access device when its power requirements match the UPS.

RESIDENTIAL & HOME OFFICE

Broadband equipment for home connectivity
Help avoid unnecessary restarts of compatible equipment supporting everyday use and remote work.

SMALL BUSINESS

Broadband equipment for business premises
Help keep compatible access equipment powered through brief local power interruptions.

START WITH ONE DEVICE

Back up the operator's compatible ONT, modem or gateway using one DC output.

ADD ONLY WHAT IS NEEDED

Use the optional Y-cord when a compatible separate router also requires backup.

SIMPLER TWO-DEVICE POWER

With the Y-cord option, one suitable AC adapter can serve the UPS and both connected devices.

ONT FIRST. ROUTER OPTIONAL.

One DC output. Two deployment choices.

STANDARD: ONE ACCESS DEVICE



OPTIONAL: ADD A ROUTER



12 V devices • 2 A / 24 W combined maximum
Power scope only; adapter and data connections not shown.



Broadband Continuity

6000 mAh Mini DC UPS

COMPACT CPE POWER CONTINUITY

Part number: CX-1202UPS-6000mAh

12 V DC battery backup for compatible broadband customer-premises equipment.

The ComponexX Broadband Continuity Unit provides rechargeable lithium-ion backup through one 12 V DC output. Power a compatible ONT, modem or gateway directly, or add a compatible separate router using the optional Y-cord.

- 24 W Maximum Output Power
- 12 V DC / 2 A Single Output
- 12 V DC / 3 A Input
- 6000 mAh Battery Configuration
- 18650 Rechargeable Lithium-Ion Cells
- Approx. 110 × 60 × 25 mm Enclosure



DESIGNED AROUND BROADBAND CPE

ONE OUTPUT. FLEXIBLE BACKUP.

Power one compatible device directly, or two through the optional Y-cord within the shared 2 A / 24 W output limit.

COMPACT INSTALLATION

Compact enclosure for tabletop placement or wall mounting using the rear mounting provision.

AUTOMATIC CONTINUITY

Battery backup helps maintain power to connected CPE when normal DC input power is interrupted.

INTEGRATED PROTECTION

Overcharge, over-discharge, overvoltage, overcurrent and short-circuit protection.

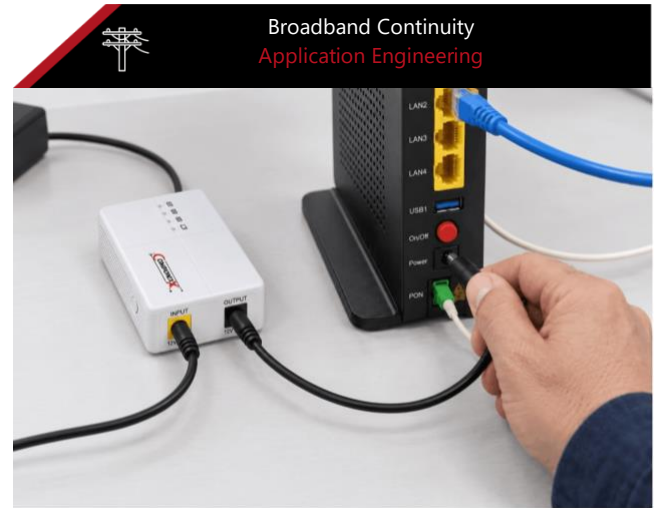
Runtime varies with connected load, battery condition and charge level. Confirm compatibility and backup duration with the deployed equipment.



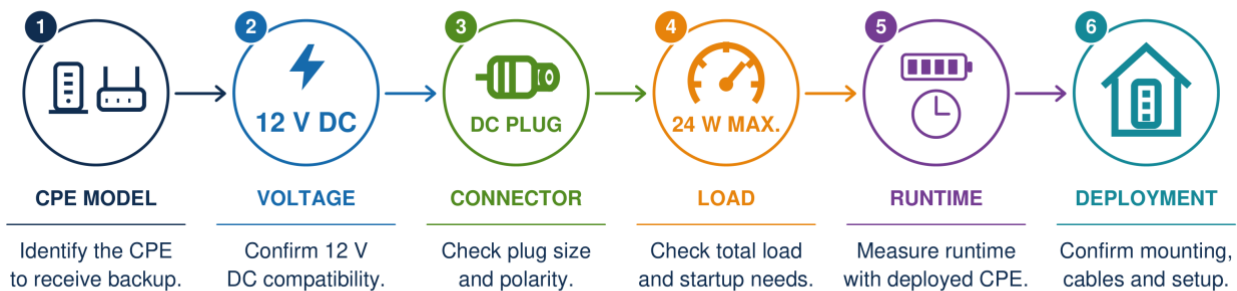
Broadband Continuity

Application Engineering

CONFIGURED AROUND YOUR CPE



Start with the deployed ONT, modem or gateway. Confirm electrical compatibility and evaluate backup duration with the actual equipment, adding a separate router only when required.



Evaluate the complete connected load, including any router added through the Y-cord.

MATCH THE SOLUTION TO THE APPLICATION

CPE COMPATIBILITY

COMPATIBLE 12 V CPE

- ONT / ONU
- Cable modem
- Gateway
- Separate router (optional)

POWER

- 12 V DC output
- 2 A / 24 W maximum
- Shared limit with Y-cord

RUNTIME

Validate with deployed CPE
At the intended connected load

LOWER LOAD = LONGER RUNTIME

Test runtime with the complete connected load, including any optional router. Battery condition, charge level and operating conditions also affect backup duration.



Broadband Continuity

Additional Configurations

START WITH THE NEED. EXPAND THE OPTIONS.



Alternative multi-output model shown. Configuration and specifications confirmed during product selection.

Different deployments call for different power configurations.

Start with backup for a compatible ONT or gateway, add a compatible router through an optional Y-cord, or explore a separate UPS model offering additional outputs or battery capacity.

MULTI-OUTPUT MODEL SHOWN — SPECIFICATIONS:

- **INPUT** — 12 VDC
- **12 V OUTPUT 1** — 2 A
- **12 V OUTPUT 2** — 2 A
- **9 V OUTPUT** — 1 A
- **QC 3.0 USB** — 5 V / 3 A or 9 V / 2 A
- 27 W maximum combined output across all connected outputs.

CHOOSE THE RIGHT CONFIGURATION.

FOCUSED BACKUP

One compatible ONT, modem or gateway powered by the **CX-1202UPS-6000mAh**.

OPTIONAL ROUTER BACKUP

Add an optional DC Y-cord to the **CX-1202UPS-6000mAh** to power two compatible 12 V devices within the UPS's shared 2 A / 24 W output limit.

ADDITIONAL PRODUCT OPTIONS

Explore other UPS models when the deployment requires different outputs or greater battery capacity.

INTEGRATED PROTECTION

Overcurrent • Short-Circuit • Overcharge • Overdischarge



Broadband Continuity

Operator Programs

BUILT AROUND YOUR DEPLOYMENT

ComponexX supports broadband continuity programs from initial CPE evaluation through operator-specific production and deployment.

CPE QUALIFICATION

Evaluate equipment compatibility, backup runtime and continuity through brief or repeated power interruptions.

CUSTOM CABLE ASSEMBLIES

Connectors, cable lengths and optional Y-cords matched to the selected equipment and power limits.

OEM & PRIVATE LABEL

Operator branding, product labeling, packaging and documentation.

CONFIGURABLE PLATFORM

Evaluate UPS models, battery capacities and output options to match the application and budget.

FROM EVALUATION TO DEPLOYMENT



Illustrative program sequence. Scope, quantities and timing are agreed for each deployment.

LET'S START WITH YOUR EQUIPMENT

A model number or clear equipment-label photo is a good starting point.

- Equipment manufacturer and model
- Photos of the power label and DC connector
- Devices that need backup
- Desired backup duration

ComponexX will recommend a continuity configuration for evaluation with your equipment.



LET'S PUT CONTINUITY TO THE TEST.

Request product information and evaluation samples for your deployed equipment.

ENGINEERING SUPPORT • OEM PROGRAMS • PRIVATE LABEL SUPPLY

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