

UC-441



* Accepts GPON SFP or xDSL module (purchased separately)

UC-441 Specification

The UC-441 is a managed industrial router featuring multi-path (VDSL2/ADSL2/2+/SFP, Ethernet, 4G/3G cellular) communications.



Wireline WAN Interfaces

- SFP port for VDSL or Fibre SFP module
- VDSL2 for use with NBN FTTN services
- ADSL2/2+ for use with Telstra ADSL2/2+ services
- 1x WAN Ethernet port (static and DHCP client address modes supported)



Wireless WAN Interface

- 4G (LTE Cat 6): 700 MHz (B28), 850MHz (B5), 900 MHz (B8), 1800 MHz (B3), 2100 MHz (B1), 2600 MHz (B7)
- 3G (UMTS): 850 MHz (B5), 2100 MHz (B1)
- Telstra IoT, BCD SIMs
- Dual SIM



Local Interfaces

- 4x LAN Ethernet ports
- RS-232 DB9 serial interface
- USB for Bluetooth adapter
- Digital input (max 30V 1A)
- Digital output (0-2V or 5-30V)
- 2x power inputs (9-48V)



Networking

- DHCP server
- IPS (Intrusion Prevention System) Firewall with NAT Port Forwarding
- Configurable WAN routing preference (wireline / wireless) with optional switchback to primary path
- Attribute 22 routing
- IPv4, IPv6
- IPSec



Applications

- CCTV
- SCADA
- Terminal server/client over serial
- PPP Relay over serial
- SCATS serial and ethernet
- EVMS serial and ethernet
- AddInsight (via separate plug-in Bluetooth module)



Remote Management

- UltraAgent and UltraSync compatible
- No on-site configuration required (configuration managed from network)
- Software remotely upgradeable via IP & 4G/3G
- Remote testing, polling, status and configuration
- Alarm Management platform



Dimensions

- Powder coated metal enclosure with mounting bracket
- 226mm x 119mm x 31mm
- 226mm x 145mm x 31mm (SFP VDSL Fitted)

Operating Conditions

Parameter	Value
Enclosure	IP3X (AS/ANSI/IEC 60529)
Ambient Temperature	-10°C to +70°C
Relative Humidity	Up to 90%
Supply Voltage	90-264VAC (to plugpack) 12-48V DC (to unit)
Power Consumption	Wireless only: 2.5W(typ) With VDSL: 7W(typ) 24W(max)
General Purpose Inputs	0-30VDC
General Purpose Outputs	30V 1A



Regulatory Approvals

UC-441



* Accepts GPON SFP or xDSL module (purchased separately)

UC-441 Specification

The UC-441 is a managed industrial router featuring multi-path (VDSL2/ADSL2/2+/SFP, Ethernet, 4G/3G cellular) communications.



Wireline WAN Interfaces

- SFP port for VDSL or Fibre SFP module
- VDSL2 for use with NBN FTTN services
- ADSL2/2+ for use with Telstra ADSL2/2+ services
- 1x WAN Ethernet port (static and DHCP client address modes supported)



Wireless WAN Interface

- 4G (LTE Cat 6): 700 MHz (B28), 850MHz (B5), 900 MHz (B8), 1800 MHz (B3), 2100 MHz (B1), 2600 MHz (B7)
- 3G (UMTS): 850 MHz (B5), 2100 MHz (B1)
- Telstra IoT, BCD SIMs
- Dual SIM



Local Interfaces

- 4x LAN Ethernet ports
- RS-232 DB9 serial interface
- USB for Bluetooth adapter
- Digital input (max 30V 1A)
- Digital output (0-2V or 5-30V)
- 2x power inputs (9-48V)



Networking

- DHCP server
- IPS (Intrusion Prevention System) Firewall with NAT Port Forwarding
- Configurable WAN routing preference (wireline / wireless) with optional switchback to primary path
- Attribute 22 routing
- IPv4, IPv6
- IPSec



Applications

- CCTV
- SCADA
- Terminal server/client over serial
- PPP Relay over serial
- SCATS serial and ethernet
- EVMS serial and ethernet
- AddInsight (via separate plug-in Bluetooth module)



Remote Management

- UltraAgent and UltraSync compatible
- No on-site configuration required (configuration managed from network)
- Software remotely upgradeable via IP & 4G/3G
- Remote testing, polling, status and configuration
- Alarm Management platform



Dimensions

- Powder coated metal enclosure with mounting bracket
- 226mm x 119mm x 31mm
- 226mm x 145mm x 31mm (SFP VDSL Fitted)

Operating Conditions

Parameter	Value
Enclosure	IP3X (AS/ANSI/IEC 60529)
Ambient Temperature	-10°C to +70°C
Relative Humidity	Up to 90%
Supply Voltage	90-264VAC (to plugpack) 12-48V DC (to unit)
Power Consumption	Wireless only: 2.5W(typ) With VDSL: 7W(typ) 24W(max)
General Purpose Inputs	0-30VDC
General Purpose Outputs	30V 1A



Regulatory Approvals