Business Switch

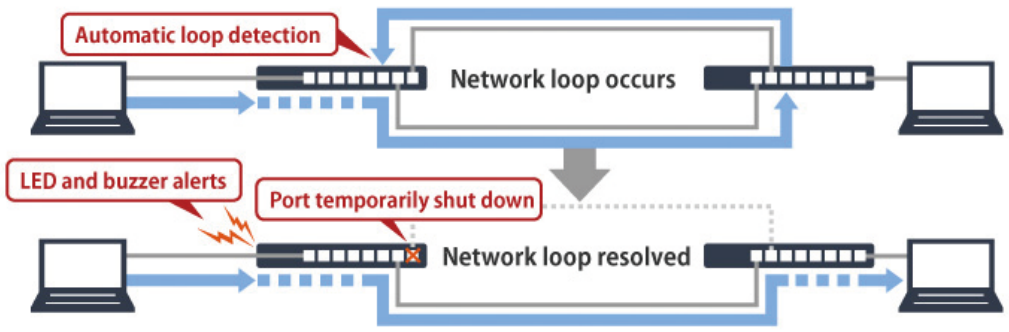
16-port Unmanaged Layer 2 100/10 Mbps Switch

BUFFALO™

BS-2116U

The great solution for businesses' wired switching needs—16-port 100/10 switch

Loop detection/prevention reduce administrative burden





Certain network topologies or routings create loops in the signals that can result in serious problems such as blocked switches, inaccurate forwarding of signals, use of all the available bandwidth, and can even bring the network down. This switch features an automatic detection and prevention function that avoids these problems, thus also reducing the administrative burdens needed to correct these problems and their effects.

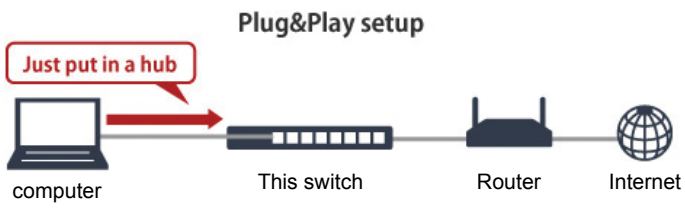
LAN 100BASE-TX 10BASE-T

eco

3 YEAR WARRANTY

No configuration hassles

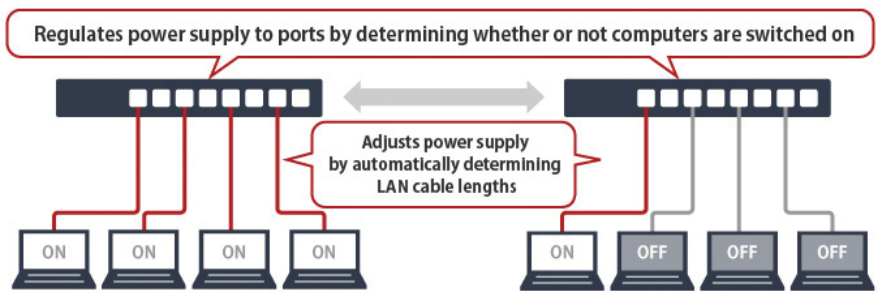
The Plug & Play setup features Auto-Negotiation & Auto MDIX—simply plug in the cables and get going. No worries about what type of cable you have, it works on both straight and crossover cable.



JAPAN QUALITY No.1 Sales in JAPAN

BCN AWARD 2011

Automatic energy-saving features



Energy-saving features automatically reduce power consumption without configuration:
•Standby mode adjusts power consumption according to the number of ports used, save power up to 43%*.
•Auto Power Save function saves energy automatically by supplying power only to the ports that are connected and in use.
•Power supply is adjusted automatically based on the cable length.

Features

- 100BASE-TX/10BASE-T Auto-negotiation 16 ports
- IEEE802.3u(100BASE-TX), IEEE802.3(10BASE-T) standard compliance
- Loop detection and prevention helps avoid harmful effects on the network, reduces administrative burdens
- Front panel LED indicators
- Super simple Plug & Play setup
- Auto-Negotiation & Auto MDIX - simply plug in, no settings needed
- Full-duplex auto-detect 100/10Mbps
- Silent and reliable fanless design
- Compact metal case with excellent heat dissipation
- Design permits flexibility in placement—19-inch rack mount, wall mount, or tabletop
- Energy-saving features automatically reduce power consumption without configuration:
・Standby mode adjusts power consumption according to the number of ports used
・Auto Power Save function saves energy automatically by supplying power only to the ports that are connected and in use
・Power supply is adjusted automatically based on the cable length
- BPDU Frame transmission supported
- EAPOL (802.1X) frame transmission supported4)
- Learns up to 8,192 MAC addresses5)
- 3-year warranty

BS-2116U

Specifications

Model

BS-2116U

Wired LAN Interface

Standard Compliance	IEEE802.3u (100BASE-TX), IEEE802.3 (10BASE-T)
Transmission Rate	100Mbps (100BASE-TX), 10Mbps (10BASE-T)
Forwarding Method	Store & Forward
Latency	100M 64btyes 10.7μper sec (S&F)
Buffer Capacity	256 KB
Signal Coding	4B5B/MLT-3(100BASE-TX), Manchester Coding (10BASE-T)
Access Method	CSMA/CD
Data Transmission Rate	148,810 packet/s(100BASE-TX), 14,881 packet/s(10BASE-T)
Address Table	8,192 MAC addresses (Self-Learning Method)
Number of Ports	16 ports (Auto-MDIX)
Connector Type	RJ-45 8-Pin
Cable Support	100BASE-TX: UTP category 5 or more 10BASE-T: UTP category 3 or more
Transmission Distance	Max. 100m
Switched Fabrics	3.2 Gbps

Supported Functions

Auto-Negotiation (100/10, Full/Half-Duplex)

Auto-MDIX

IEEE802.3x flow control

Back pressure

Error packet filtering

Eco mode [Depending on number of connection, cable length]

EAPOL(IEEE802.1X) frame transparent

BPDU frame transparent

Other

Power Supply	AC 100-240V 50/60Hz
Power Consumption	Max. 3.1W (at 100V)
Consumption Current	Max. 4.5mA (at 100V)
Calorific Value	Max. 11.2kJ/h (at 100V)
Dimensions (WxHxD)	190 x 125 x 43 mm
Weight	800 g
Operating Environment	0-45°C, 10-85% RH (Non-condensing)
Warranty	3-year

Package Contents

16-port 100/10 Mbps Business Switch BS-2116U

AC Adapter cable retaining band

Magnets with screws

Rubber feet

3P-2P converting connector

Serial number sticker

User's manual

Warranty statement

* Testing conducted by BUFFALO in December 2011
Compared power consumption between all ports are in use and not in use. <Devices> BS-2116U, Power meter: YOKOGAWA WT210, Anritsu MD1230B Data Quality Analyzer
<Measurement Method> Data was transferred from the data analyzer to the switching hub, and the power consumptionwas measured 1 minute after data transfer was started.
** With computer that is operating WakeOnLAN (WOL) function, power saving function works when WOL function is OFF.

About BUFFALO **www.buffalo-asia.com**

BUFFALO Inc., based in Nagoya, Japan, is a leading global provider of award-winning networking, storage and multi-media solutions for the home and small business environments as well as for system builders and integrators. With three decades of networking and computer peripheral experience, BUFFALO has proven its commitment to delivering innovative, best-of-breed solutions that have put the company at the forefront of infrastructure technology.

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