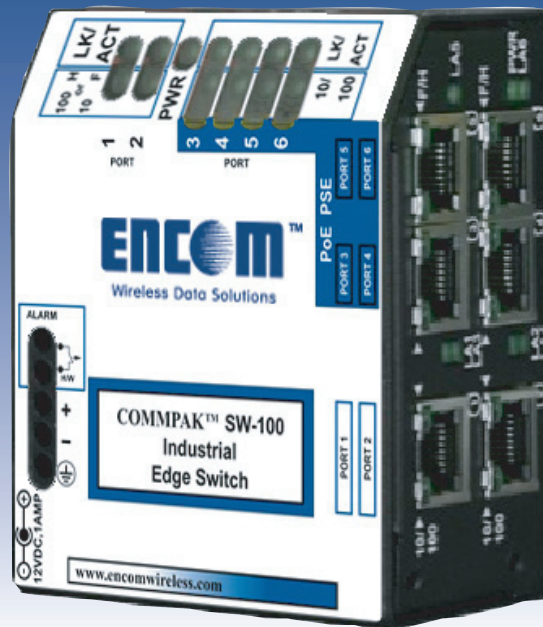




COMMPAK IES (INDUSTRIAL EDGE SWITCH)



FEATURES

- Ideal for PoE used in ITS applications, industrial IP video surveillance, wireless-access, VOIP phones, badge readers and support of similar hardened PoE devices
- "Outdoor" temperature rating handles heavy duty applications
- Includes Link-Loss-Learn (LLL) feature for use in self-healing LAN structures
- "Plug and Play" ENCOM Technology

The COMMPAK IES PoE Power-Source Edge Switch combines standard 802.3af Power over Ethernet (PoE) with a small heavy-duty 6-port Ethernet Switch. Using an external -48VDC power source, four of the IES Ethernet ports can provide power as well as 10/100 Mb data transmission over the inter-connecting Ethernet cables. Data and power for the attached devices can be transmitted over a single Ethernet twisted-pair cable to each, simplifying and cost-reducing installation and maintenance in an industrial facility.

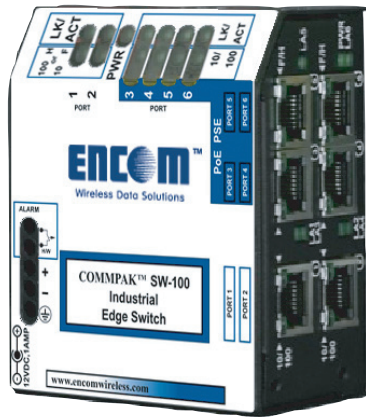
The COMMPAK IES switches are Power Sourcing Equipment (PSE), and are compatible with Powered Devices (PD) that comply with the IEEE 802.3af PoE standard. The COMMPAK IES Switch ports have an auto-sensing algorithm so that they provide power only to attached 802.3af PD devices. If proprietary PoE and non-PoE equipment is attached, it will not be damaged.

The COMMPAK IES ports discontinue supplying power when the PoE devices are disconnected, and support the PSE standard for over-current protection, under-current detection and fault protection.

With ENCOM™, Wireless is Simple!



ETHERNET COMMPAK BROADBAND COMMPAK IES SPECIFICATIONS



PERFORMANCE

- RJ-45 Ports Data Rate: 10 / 100 Mbps, FDX and HDX modes.
- Auto-negotiation and auto-cross MDI-MDIX on all RJ-45 ports.
- Occurs at LINK-enable. No cross-over cables required.
- PoE ports are Ports 3, 4, 5, and 6.
- Non-blocking switching, 128KB packet buffer memory.
- Address buffer storage = 2K addresses.
- Address buffer age-out time = 300 seconds (see also LLL)

NETWORK STANDARDS

- Ethernet IEEE 802.3, IEEE 802.3u; IEEE 802.1p, IEEE 802.3af for PoE, 100BASE-TX, 10BASE-T, 100BASE-FX
- LLL (Link-Loss-Learn)

SUPPORT

- Factory default for LLL is Activated on Ports 1 and 2, the non-PoE ports.

OPERATING ENVIRONMENT

- Ambient temperature ratings of -40°C to 75°C long term per independent agency tests, or -40°C to 85°C short term per IEC Type Tests
- Storage temperature: -40° to 185°F (-40° to 85°C) Cold start to -40°C
- Ambient Relative Humidity: 5% - 95% (non-condensing)
- Altitude: -200 to 50,000 ft. (-60 to 15,000m) Conformal coating (humidity protection) optional, request quote
- Designed for NEBS compliance, including vibration, shock, and altitude

PACKAGING

- Enclosure: Robust sheet metal (aluminum)
- Dimensions of units: 3.6 in H x 3.0 in W x 1.7 in D (9.2 cm x 7.6 cm x 4.3 cm)
- Weight: 9.5 oz (270g)
- Cooling Method: Case used as heat sink

MOUNTING

- Metal panel mounting clips
- DIN-Rail mounting optional

RJ-45 PORT CONNECTORS

- RJ-45 with auto-cross, 100BASE-TX and 10BASE-T: shielded 8-Pin female. Supports shielded (STP) and unshielded (UTP) Cat. 3, 4, 5. PoE power is delivered to the data pairs of the twisted-pair port pins.

LED INDICATORS, DUAL, TOP FRONT AND IN END

- POWER:
ON for -48VDC input power applied to the unit

POWER INPUT

- Total Power Input Required: for 4 PoE ports, 66 watts max. or 1.4A @ 48VDC, (15.4 watts/port) plus 7 watts typical for the COMMPAK IES unit Terminal Block for -48V DC input (range of 46 to 60V DC), built-in for +, -, ground. The 8-15V DC jack is also present, but can only be used to power the COMMPAK IES unit when no PoE devices are attached. Internal DC power floats, user may ground + or - if desired

ALARM TERMINAL BLOCK, TWO SCREW TERMINALS

- Internal 60VA relay contact:
Open for Power Off, Closed for Power On

WARRANTY

- 2 years



**ENCOM reserves the right to make changes to specifications of products described in this data sheet at any time without notice.

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